

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059696.D
 Acq On : 30 Jul 2018 19:04
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:54:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	200041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	284767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	73499	23.39	ug/l	0.00
Spiked Amount			Recovery	=	46.78%	
35) Dibromofluoromethane	4.28	113	58902	21.61	ug/l	0.00
Spiked Amount			Recovery	=	43.22%	
50) Toluene-d8	7.70	98	134849	20.46	ug/l	0.00
Spiked Amount			Recovery	=	40.92%	
62) 4-Bromofluorobenzene	11.51	95	73455	20.60	ug/l	0.00
Spiked Amount			Recovery	=	41.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	67096	32.482	ug/l	93
3) Chloromethane	1.09	50	30680	26.272	ug/l	94
4) Vinyl Chloride	1.16	62	32629	26.394	ug/l #	89
5) Bromomethane	1.33	94	27489	25.545	ug/l	96
6) Chloroethane	1.41	64	19221	24.921	ug/l	96
7) Trichlorofluoromethane	1.53	101	51511	13.857	ug/l	87
8) Diethyl Ether	1.70	74	12369	23.487	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44217	22.373	ug/l	94
10) Methyl Iodide	1.96	142	67870	23.463	ug/l	98
11) Tert butyl alcohol	2.69	59	15374	113.982	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	34869	23.847	ug/l	95
13) Acrolein	2.09	56	3939	65.983	ug/l	81
14) Allyl chloride	2.18	41	57818	24.174	ug/l	96
15) Acrylonitrile	3.08	53	26147	127.175	ug/l #	82
16) Acetone	2.34	43	63836	111.507	ug/l	94
17) Carbon Disulfide	1.89	76	61317	17.251	ug/l	94
18) Methyl Acetate	2.45	43	26737	27.900	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	97014	23.742	ug/l	99
20) Methylene Chloride	2.27	84	17417	8.261	ug/l	81
21) trans-1,2-Dichloroethene	2.41	96	34267	22.849	ug/l	87
22) Diisopropyl ether	2.92	45	114693	23.990	ug/l	98
23) Vinyl Acetate	3.32	43	279884	118.088	ug/l	98
24) 1,1-Dichloroethane	2.99	63	82221	24.171	ug/l	99
25) 2-Butanone	4.51	43	71718	113.701	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	57221	20.679	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	45663	25.959	ug/l	94
28) Bromochloromethane	3.88	49	32644	26.049	ug/l	99
29) Tetrahydrofuran	4.26	42	29722	117.399	ug/l	92
30) Chloroform	4.02	83	111587	23.222	ug/l	96
31) Cyclohexane	3.85	56	48001	24.559	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	88180	22.371	ug/l	98
36) 1,1-Dichloropropene	4.45	75	72895	23.600	ug/l	97
37) Ethyl Acetate	4.29	43	34053	25.273	ug/l #	89
38) Carbon Tetrachloride	4.16	117	108283	23.894	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059696.D
 Acq On : 30 Jul 2018 19:04
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 03:54:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	58400	23.232	ug/l	92
40) Benzene	4.80	78	127975	23.327	ug/l	100
41) Methacrylonitrile	4.91	41	17005	25.630	ug/l	90
42) 1,2-Dichloroethane	5.11	62	89799	25.155	ug/l	99
43) Isopropyl Acetate	7.11	43	35019	25.101	ug/l #	88
44) Trichloroethene	5.66	130	48815	22.974	ug/l	91
45) 1,2-Dichloropropane	6.39	63	33599	23.046	ug/l	91
46) Dibromomethane	6.24	93	30663	24.220	ug/l	90
47) Bromodichloromethane	6.54	83	87642	23.627	ug/l	97
48) Methyl methacrylate	6.86	41	25427	23.222	ug/l	94
49) 1,4-Dioxane	6.86	88	4623	529.075	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	141754	126.262	ug/l	97
52) Toluene	7.77	92	93850	23.031	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	75332	25.390	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	70005	22.740	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	32508	24.019	ug/l	93
56) Ethyl methacrylate	8.76	69	33458	23.319	ug/l	90
57) 1,3-Dichloropropane	8.99	76	55867	23.870	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	20053	115.752	ug/l	100
59) 2-Hexanone	9.62	43	98507	118.285	ug/l	95
60) Dibromochloromethane	8.85	129	55316	22.655	ug/l	98
61) 1,2-Dibromoethane	9.13	107	37782	23.085	ug/l	98
64) Tetrachloroethene	8.29	164	51856	23.361	ug/l	95
65) Chlorobenzene	9.93	112	122519	22.636	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	59292	23.801	ug/l	94
67) Ethyl Benzene	10.03	91	216662	22.074	ug/l	97
68) m/p-Xylenes	10.26	106	147351	43.380	ug/l	97
69) o-Xylene	10.82	106	71551	19.505	ug/l	93
70) Styrene	10.90	104	120965	22.675	ug/l	99
71) Bromoform	10.89	173	35864	23.347	ug/l	93
73) Isopropylbenzene	11.22	105	262234	22.246	ug/l	94
74) N-amyl acetate	11.46	43	55411	22.936	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	46534	24.040	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	39513	24.854	ug/l	97
77) Bromobenzene	11.59	156	68831	24.057	ug/l	95
78) n-propylbenzene	11.68	91	310676	22.876	ug/l	97
79) 2-Chlorotoluene	11.80	91	188255	22.778	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	239783	23.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	24078	29.169	ug/l	94
82) 4-Chlorotoluene	11.98	91	201331	23.119	ug/l	96
83) tert-Butylbenzene	12.21	119	233910	22.370	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	236438	22.240	ug/l	97
85) sec-Butylbenzene	12.38	105	306349	22.269	ug/l	98
86) p-Isopropyltoluene	12.53	119	267821	22.640	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	129690	23.244	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	124713	23.462	ug/l	96
89) n-Butylbenzene	12.92	91	260955	22.811	ug/l	96
90) Hexachloroethane	12.98	117	67404	22.384	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	125249	24.146	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10480	22.260	ug/l	96

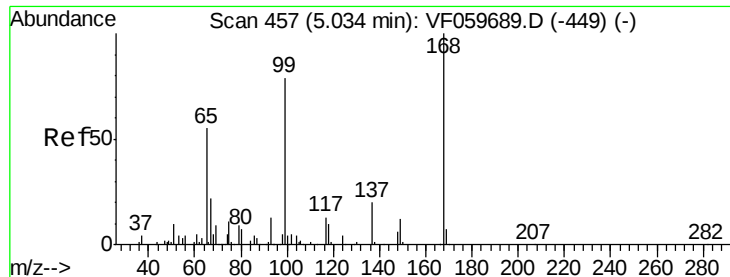
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
Data File : VF059696.D
Acq On : 30 Jul 2018 19:04
Operator : VA/AP
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 91 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 31 03:54:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 03:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	99121	23.843	ug/l	93
94) Hexachlorobutadiene	14.25	225	65101	21.286	ug/l	100
95) Naphthalene	14.52	128	160378	24.211	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	94292	24.953	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

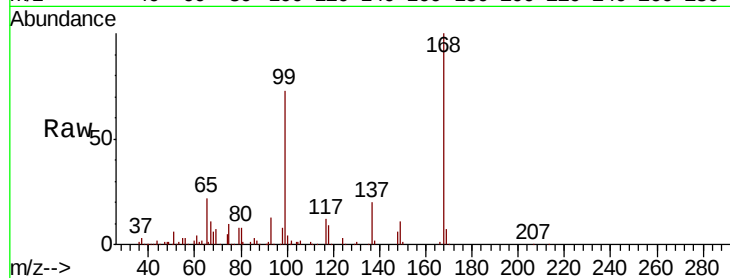
ClientSampleId :

Tot Ion:168 Resp: 200041

Ion Ratio Lower Upper

168 100

99 72.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

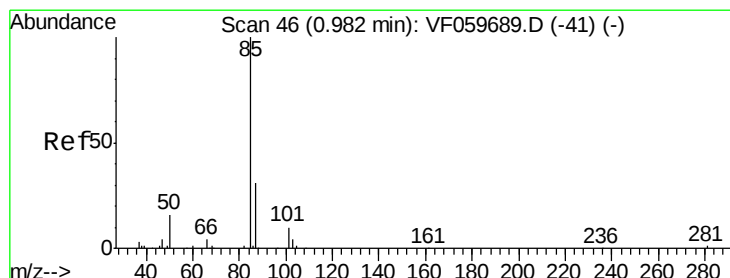
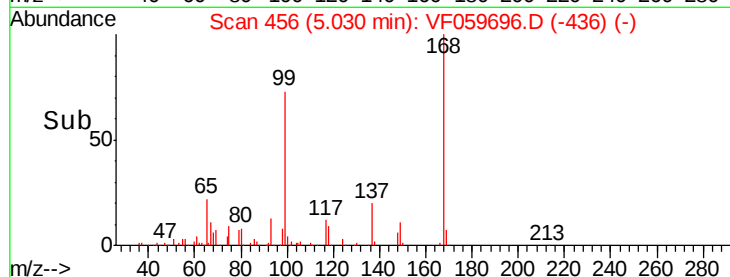
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 32.482 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059696.D

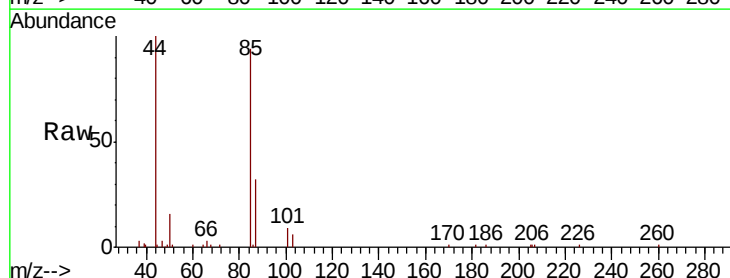
Acq: 30 Jul 2018 19:04

Tgt Ion: 85 Resp: 67096

Ion Ratio Lower Upper

85 100

87 34.2 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

15000

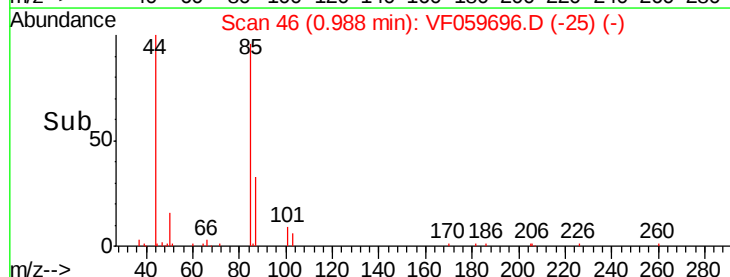
10000

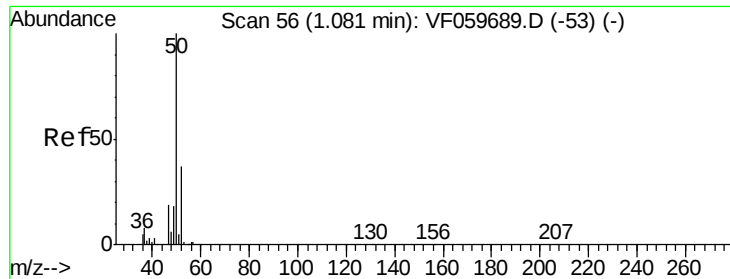
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 26.272 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

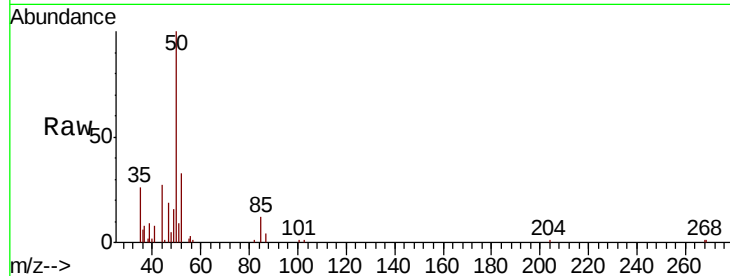
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 30680

Ion Ratio Lower Upper

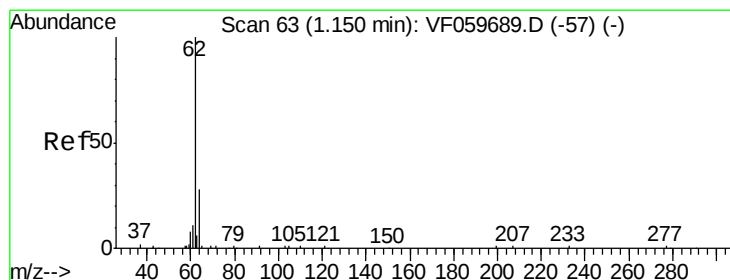
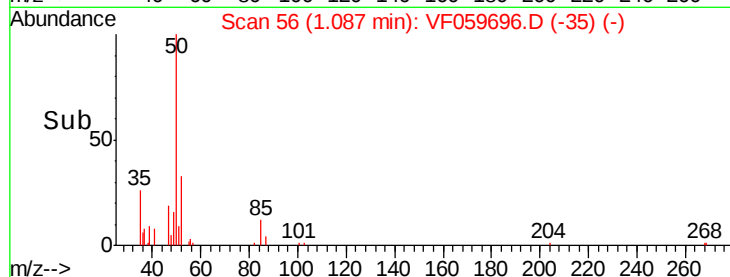
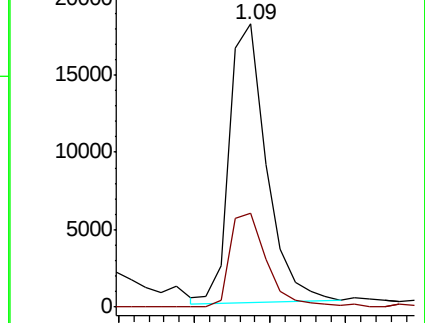
50 100

52 33.1 29.1 43.7



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 26.394 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059696.D

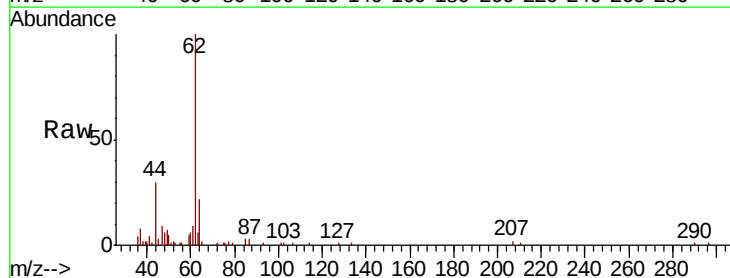
Acq: 30 Jul 2018 19:04

Tgt Ion: 62 Resp: 32629

Ion Ratio Lower Upper

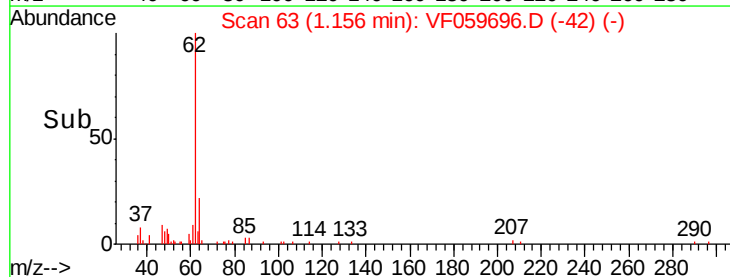
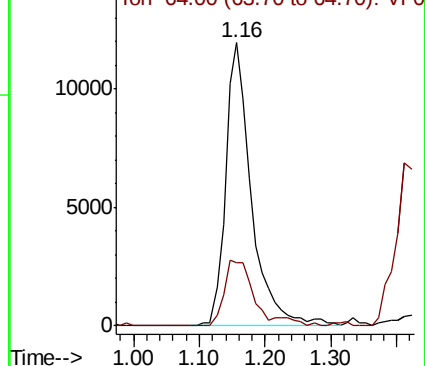
62 100

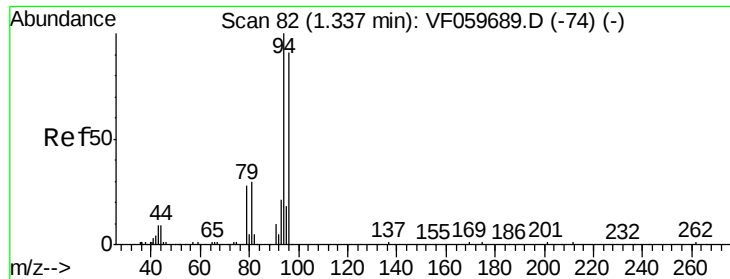
64 22.4 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 25.545 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

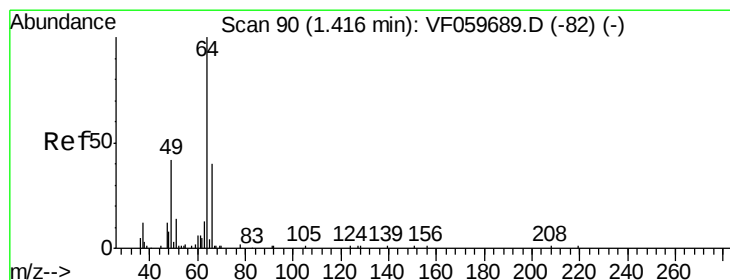
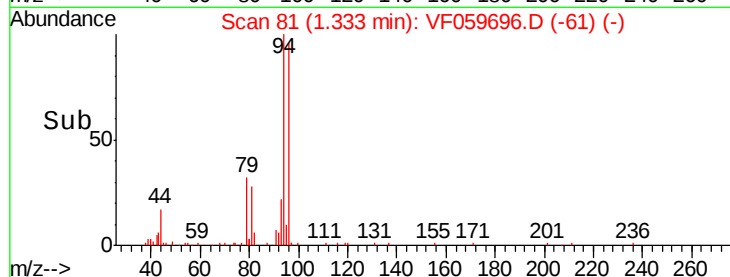
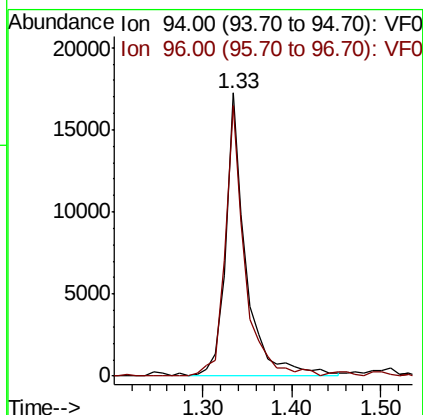
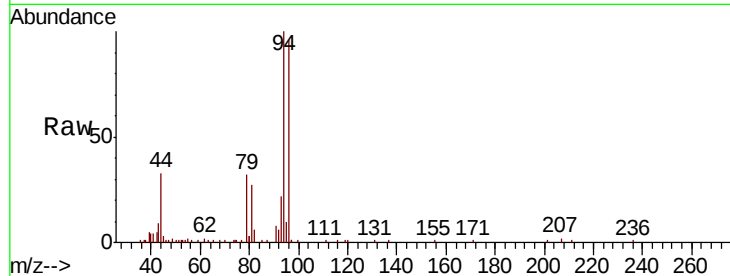
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 27489

Ion Ratio Lower Upper

94 100

96 95.6 73.6 110.4



#6

Chloroethane

Concen: 24.921 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059696.D

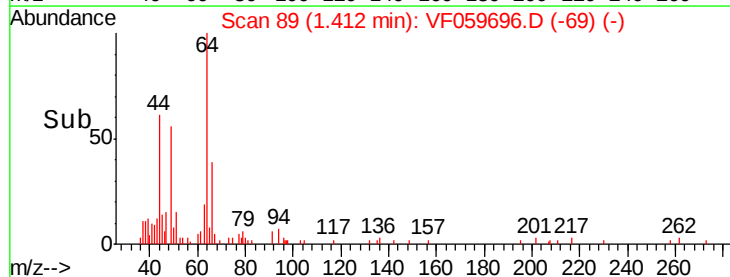
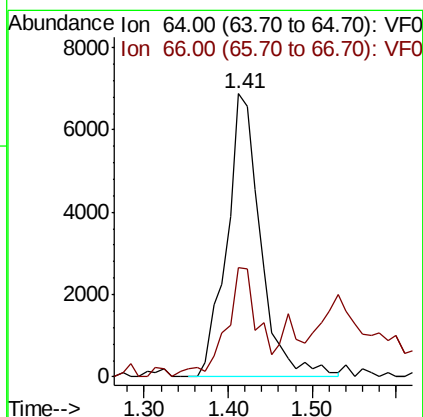
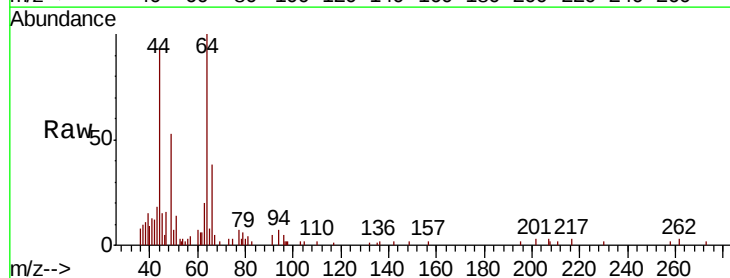
Acq: 30 Jul 2018 19:04

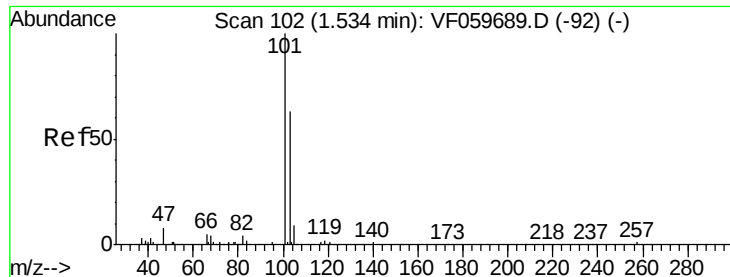
Tgt Ion: 64 Resp: 19221

Ion Ratio Lower Upper

64 100

66 38.4 32.6 49.0



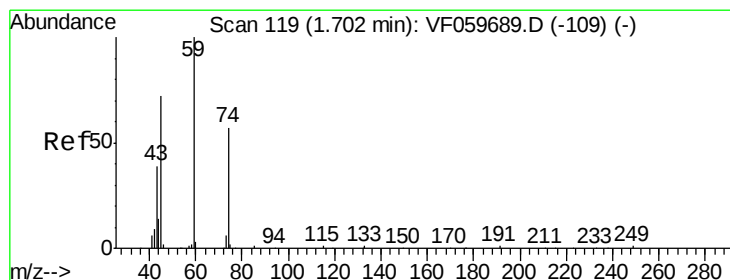
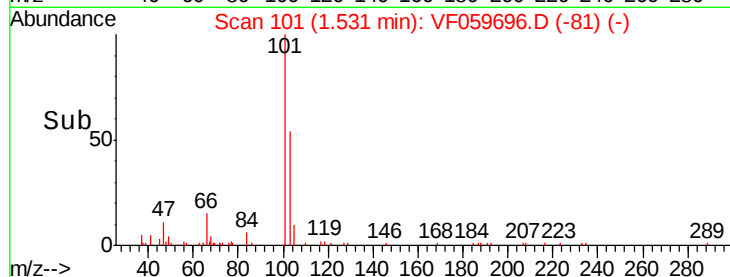
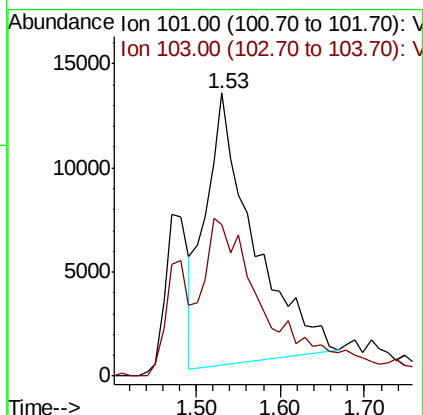
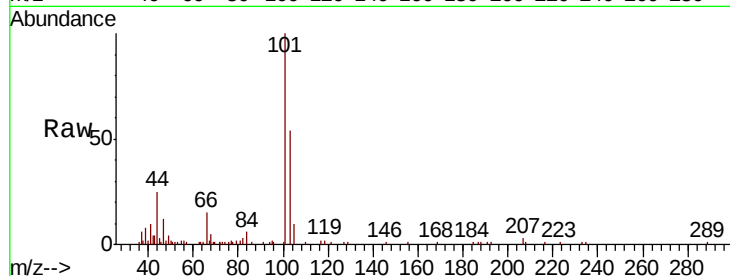


#7

Trichlorofluoromethane
 Concen: 13.857 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :

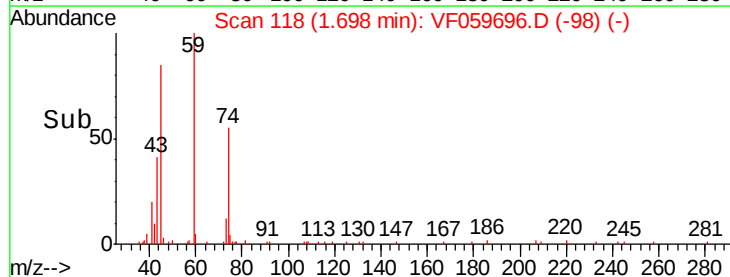
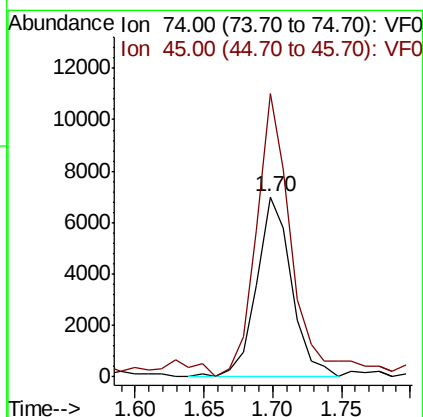
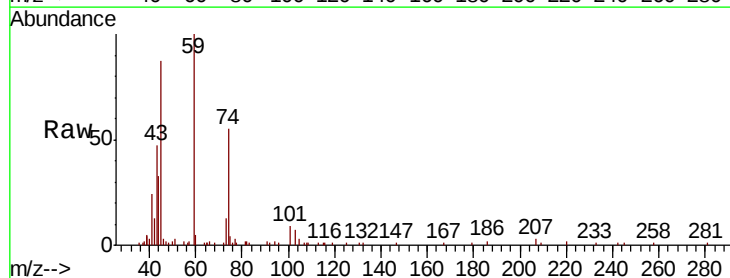
Tot Ion:101 Resp: 51511
 Ion Ratio Lower Upper
 101 100
 103 53.5 50.8 76.2

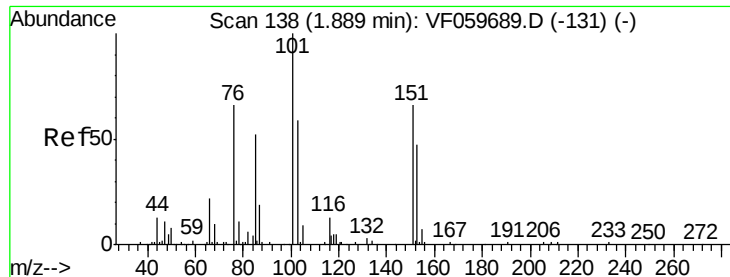


#8

Diethyl Ether
 Concen: 23.487 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion: 74 Resp: 12369
 Ion Ratio Lower Upper
 74 100
 45 157.3 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.373 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampled :

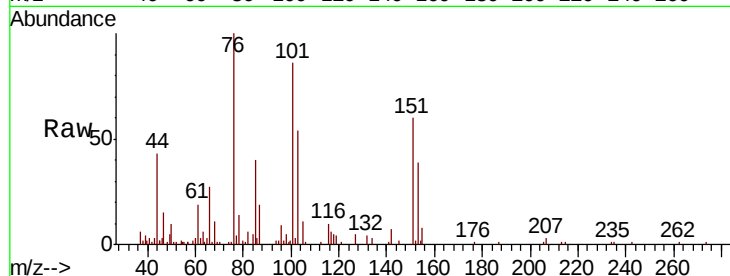
Tot Ion:101 Resp: 44217

Ion Ratio Lower Upper

101 100

85 46.7 40.7 61.1

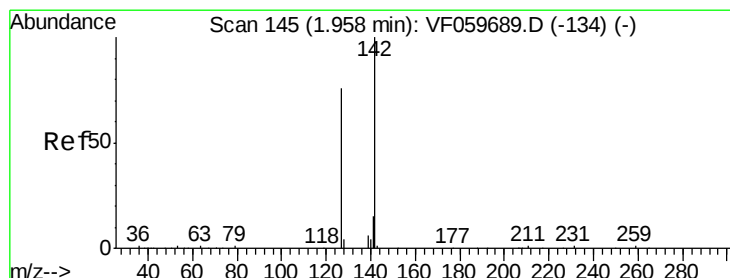
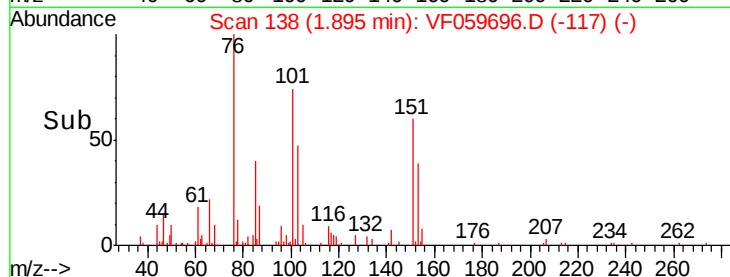
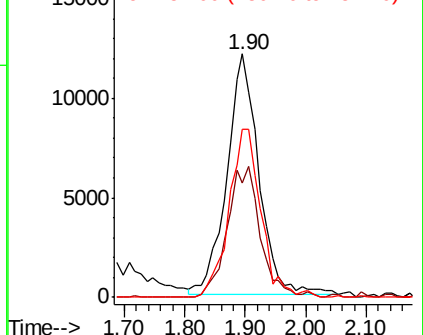
151 69.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.463 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

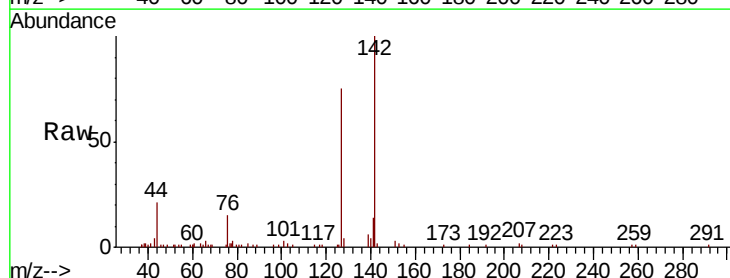
Tgt Ion:142 Resp: 67870

Ion Ratio Lower Upper

142 100

127 74.6 60.6 91.0

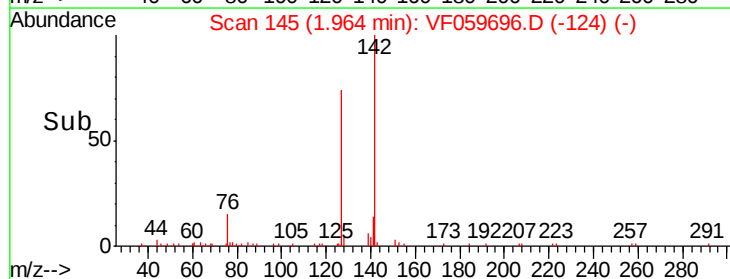
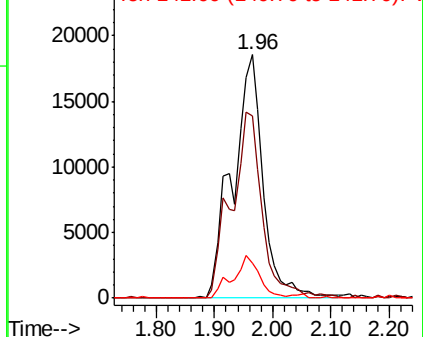
141 14.1 12.0 18.0

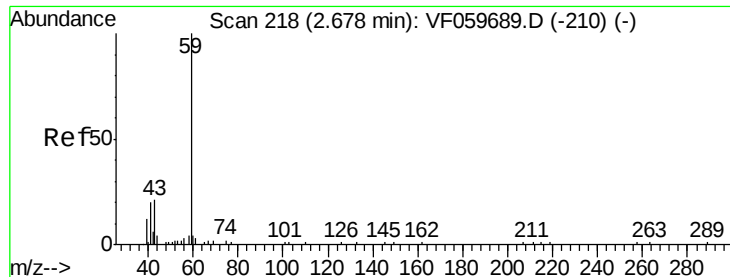


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



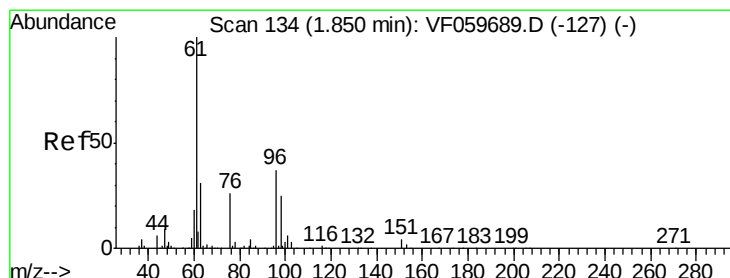
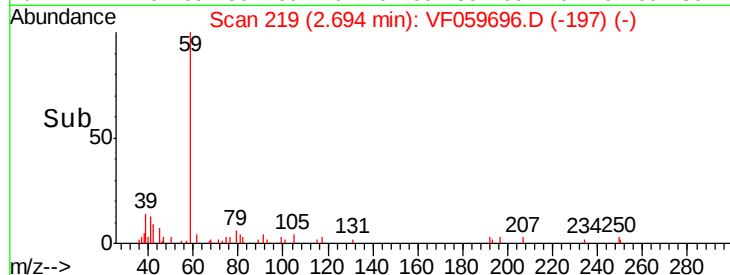
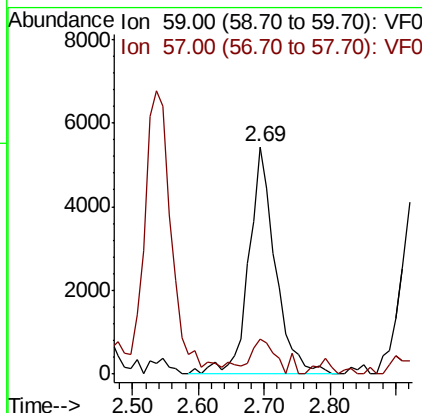
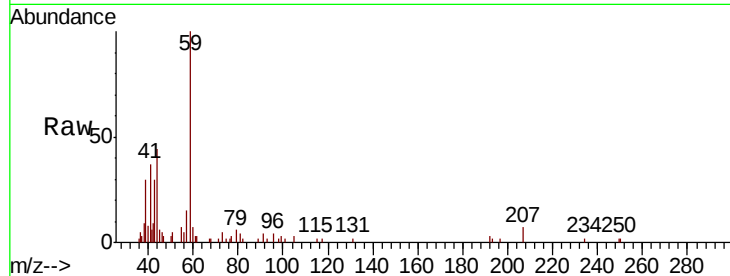


#11

Tert butyl alcohol
Concen: 113.982 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :

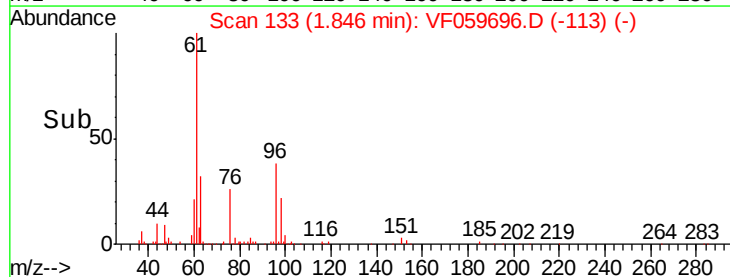
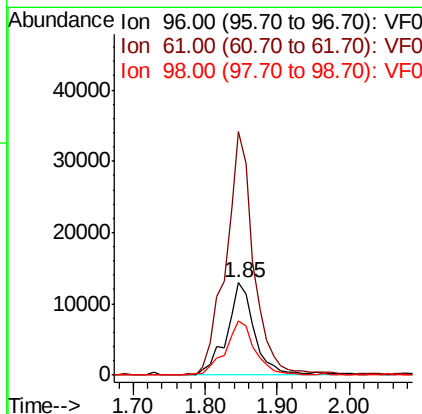
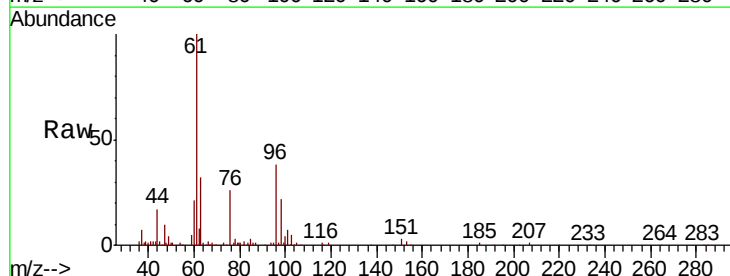
Tot Ion: 59 Resp: 15374
Ion Ratio Lower Upper
59 100
57 15.4 7.6 11.4#

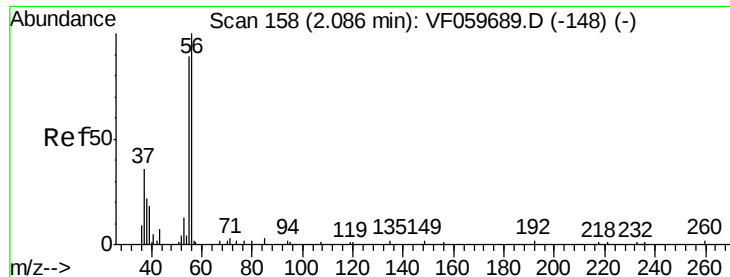


#12

1,1-Dichloroethene
Concen: 23.847 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 96 Resp: 34869
Ion Ratio Lower Upper
96 100
61 263.3 215.1 322.7
98 58.8 54.3 81.5

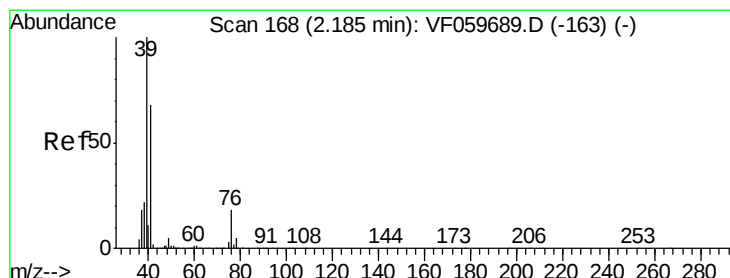
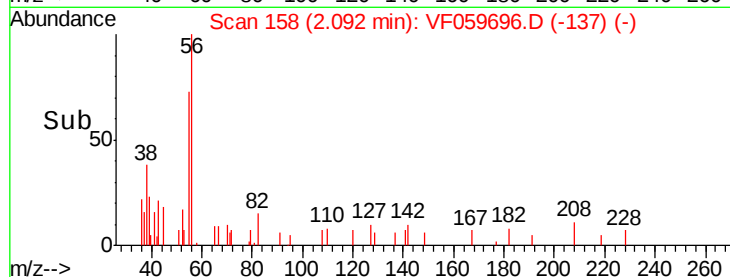
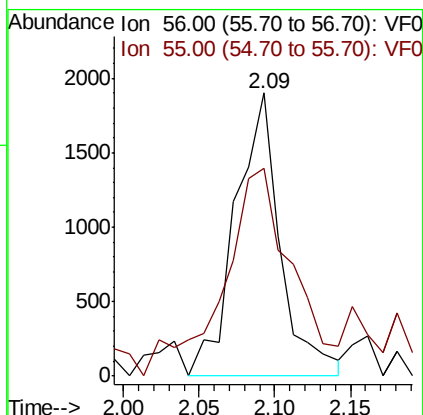
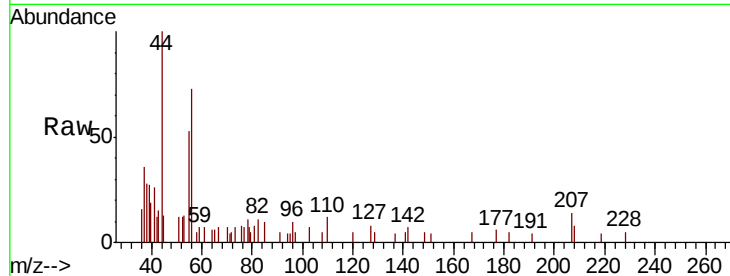




#13
Acrolein
Concen: 65.983 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

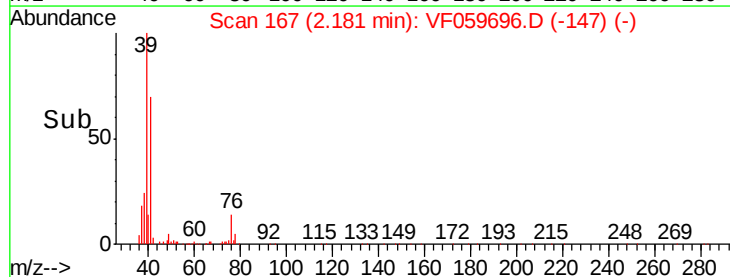
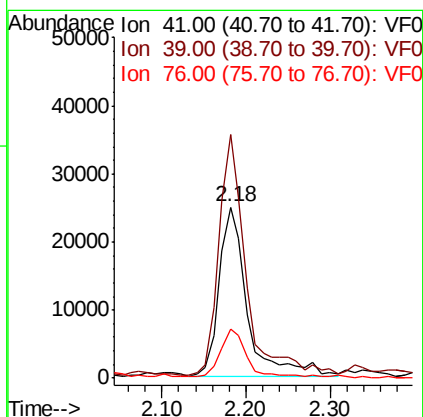
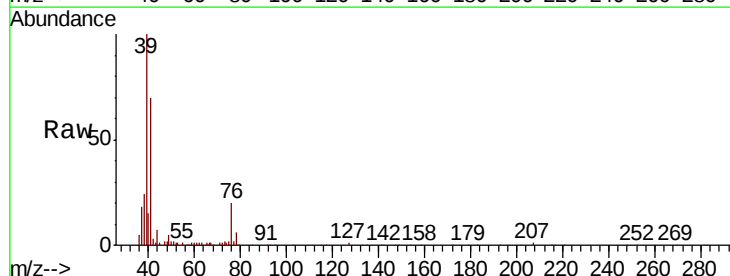
Instrument :
MSVOA_F
ClientSampleId :

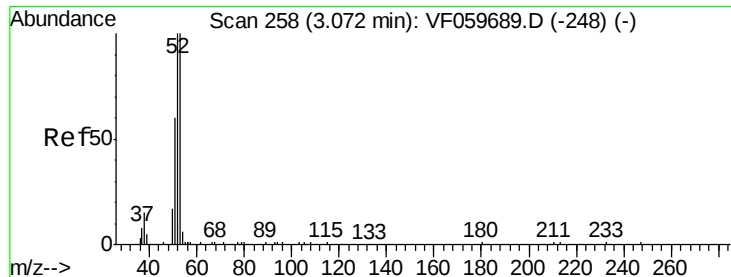
Tot Ion: 56 Resp: 3939
Ion Ratio Lower Upper
56 100
55 73.4 73.2 109.8



#14
Allyl chloride
Concen: 24.174 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 41 Resp: 57818
Ion Ratio Lower Upper
41 100
39 142.3 118.1 177.1
76 28.6 22.0 33.0





#15

Acrylonitrile

Concen: 127.175 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

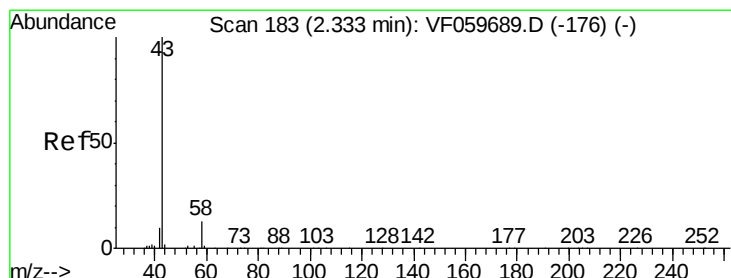
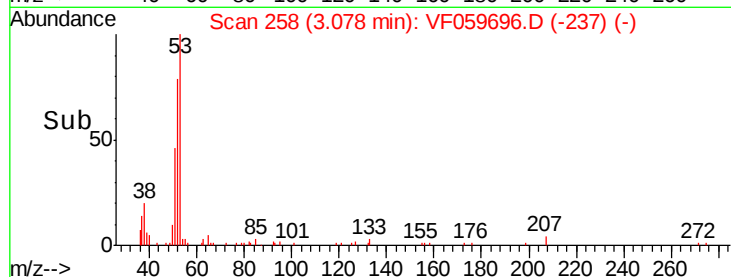
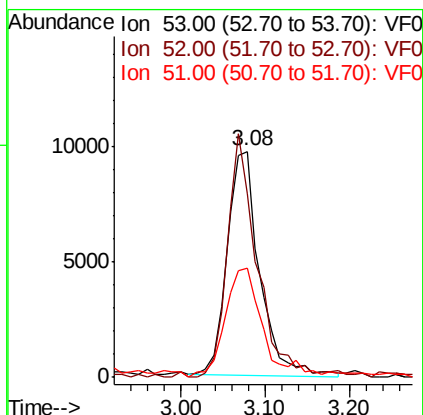
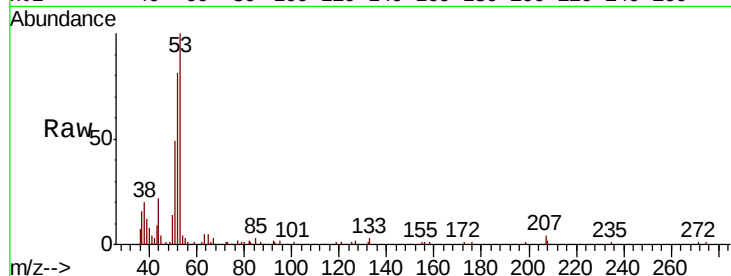
Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 26147

Ion	Ratio	Lower	Upper
53	100		
52	81.1	80.3	120.5
51	48.6	49.4	74.0#



#16

Acetone

Concen: 111.507 ug/l

RT: 2.34 min Scan# 183

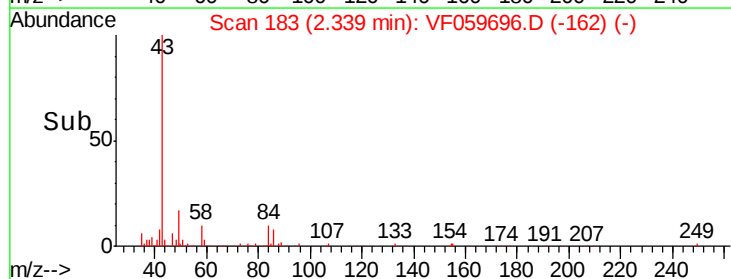
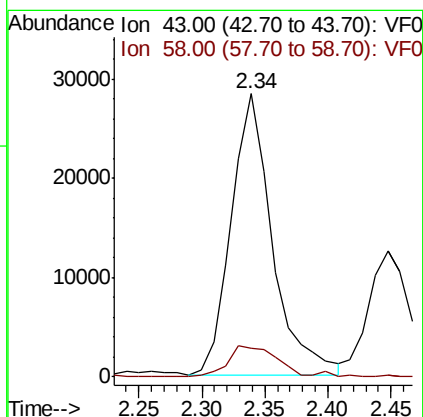
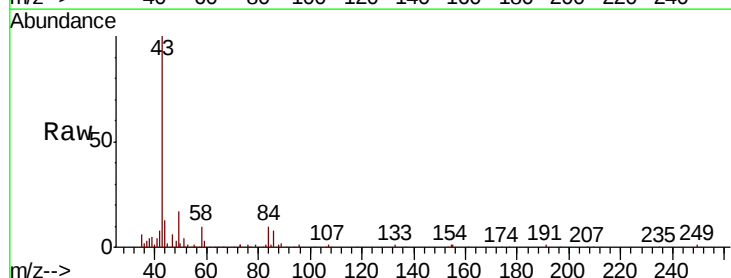
Delta R.T. 0.01 min

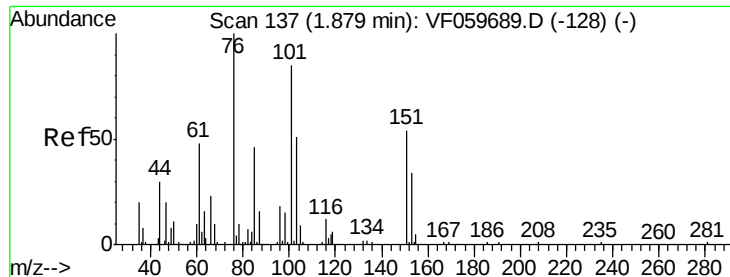
Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion: 43 Resp: 63836

Ion	Ratio	Lower	Upper
43	100		
58	10.3	10.1	15.1

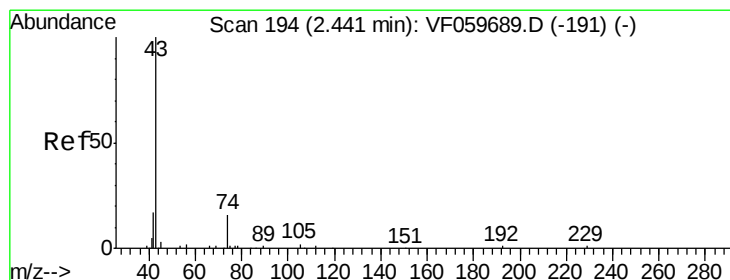
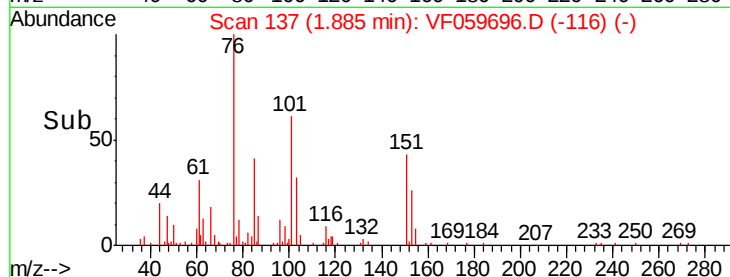
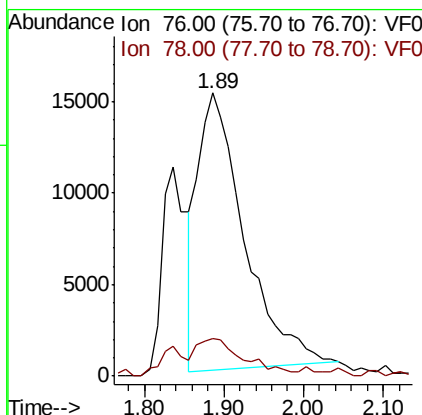
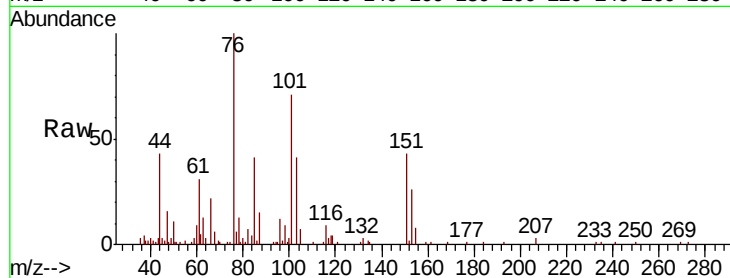




#17
Carbon Disulfide
Concen: 17.251 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

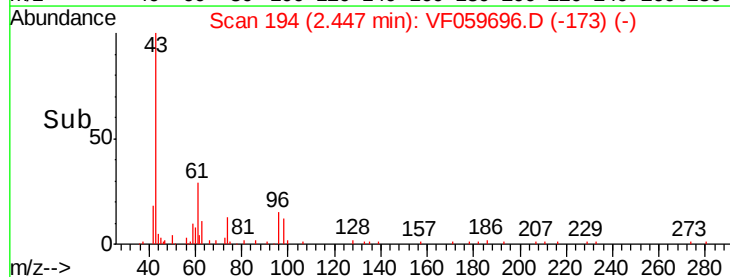
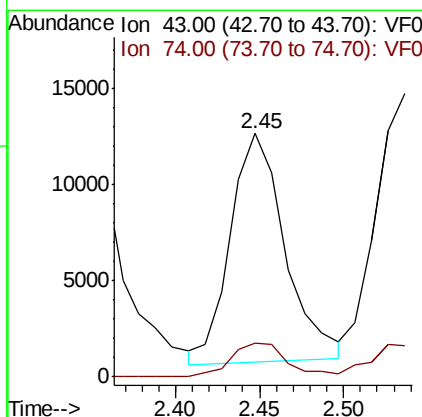
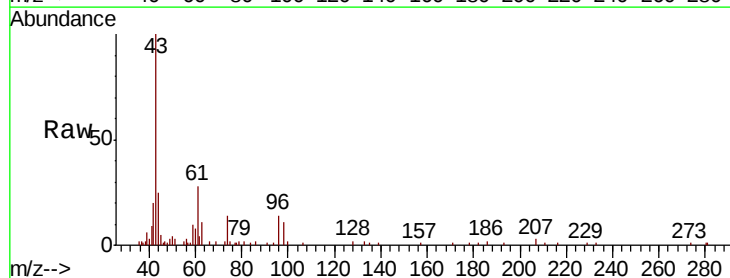
Instrument :
MSVOA_F
ClientSampleId :

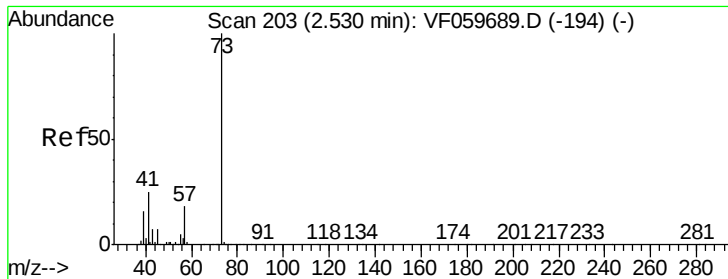
Tot Ion: 76 Resp: 61317
Ion Ratio Lower Upper
76 100
78 13.3 8.9 13.3



#18
Methyl Acetate
Concen: 27.900 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 43 Resp: 26737
Ion Ratio Lower Upper
43 100
74 13.6 11.8 17.6



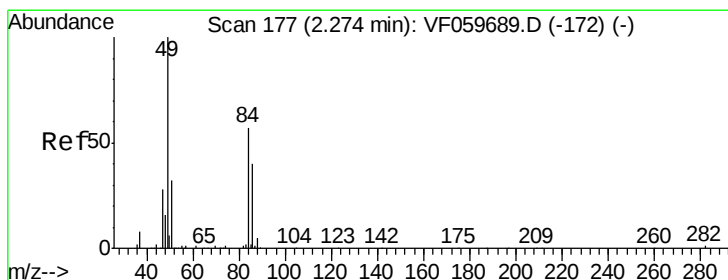
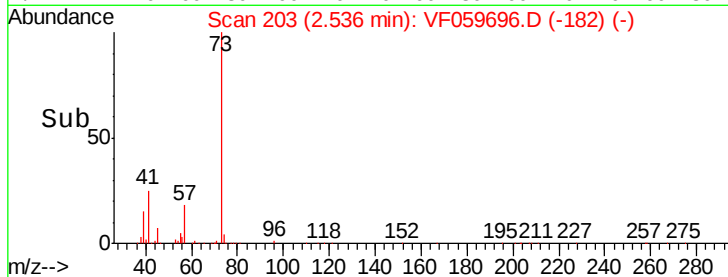
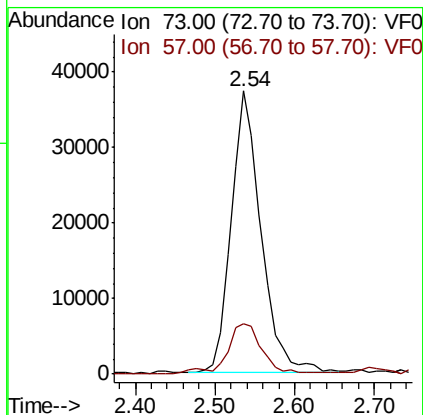
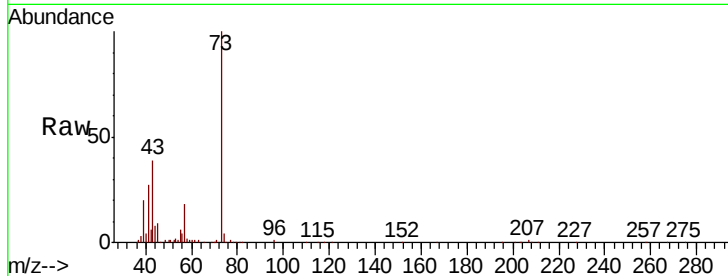


#19

Methyl tert-butyl Ether
 Concen: 23.742 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :

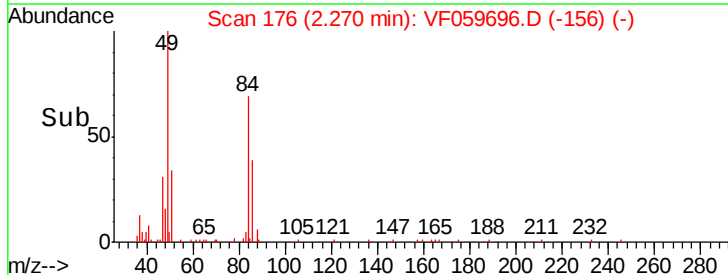
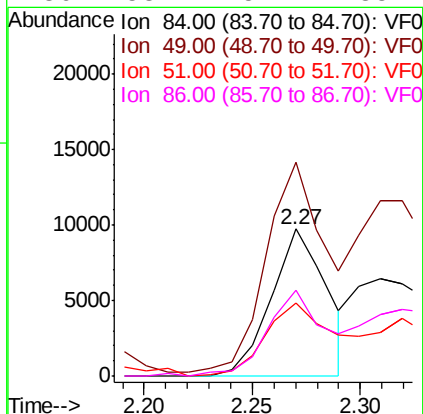
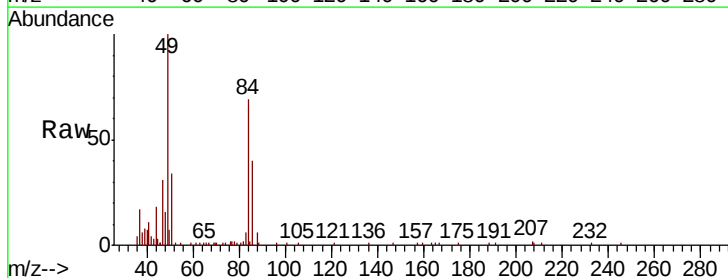
Tot Ion: 73 Resp: 97014
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.2 21.2

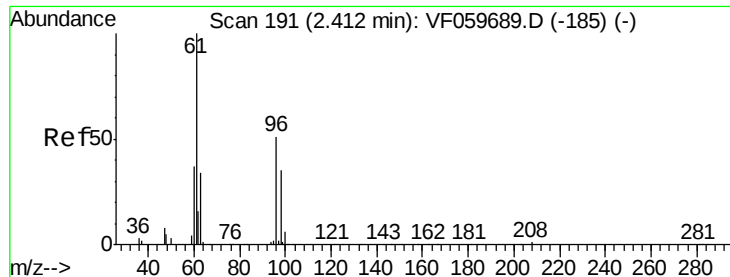


#20

Methylene Chloride
 Concen: 8.261 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion: 84 Resp: 17417
 Ion Ratio Lower Upper
 84 100
 49 145.4 142.2 213.4
 51 49.8 46.2 69.2
 86 58.2 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 22.849 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :

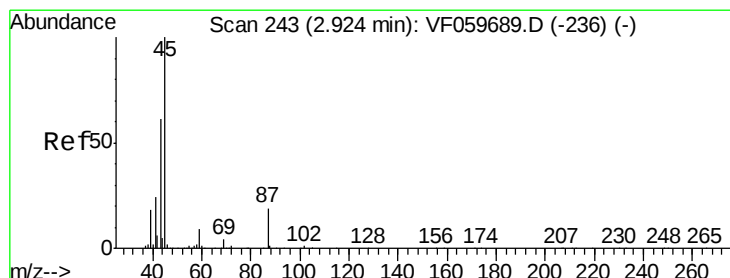
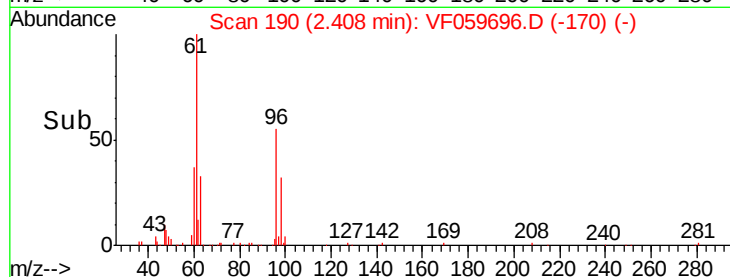
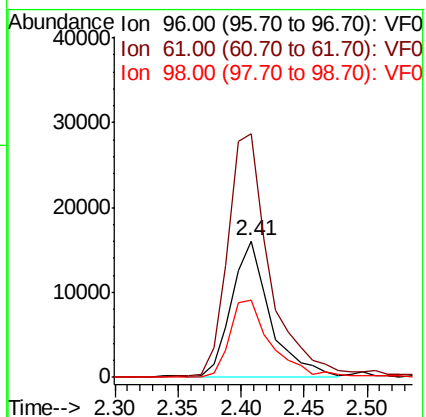
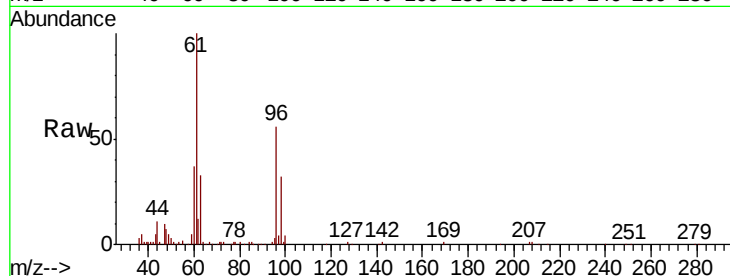
Tot Ion: 96 Resp: 34267

Ion Ratio Lower Upper

96 100

61 178.8 157.4 236.0

98 56.5 55.0 82.4



#22

Diisopropyl ether

Concen: 23.990 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion: 45 Resp: 114693

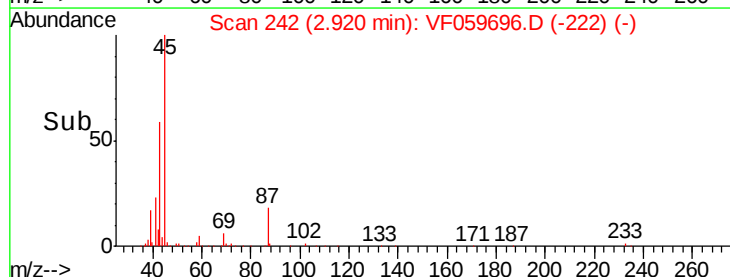
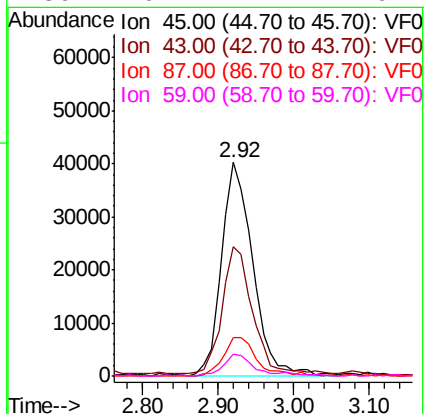
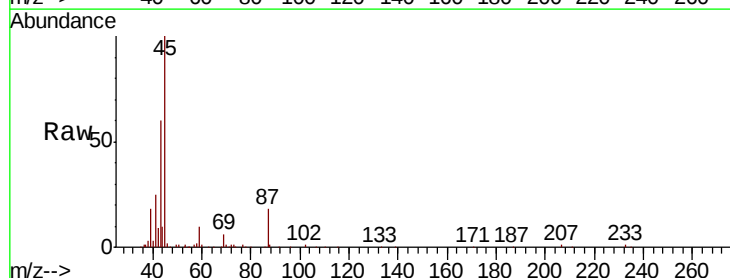
Ion Ratio Lower Upper

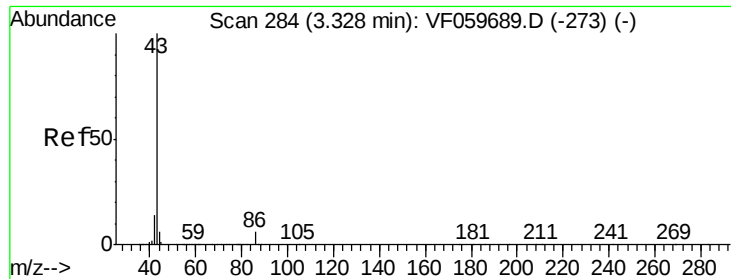
45 100

43 60.5 49.3 73.9

87 18.1 15.3 22.9

59 10.2 7.1 10.7





#23

Vinyl Acetate

Concen: 118.088 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

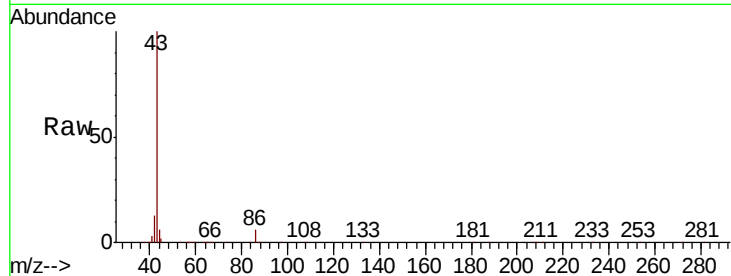
ClientSampleId :

Tot Ion: 43 Resp: 279884

Ion Ratio Lower Upper

43 100

86 6.2 4.6 6.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

120000

100000

80000

60000

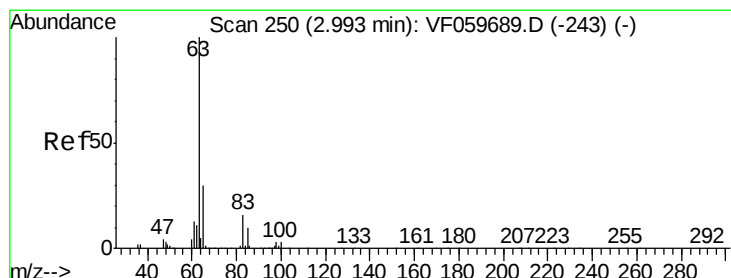
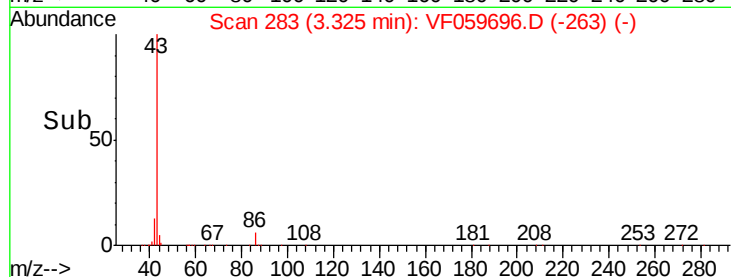
40000

20000

0

Time-->

3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 24.171 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

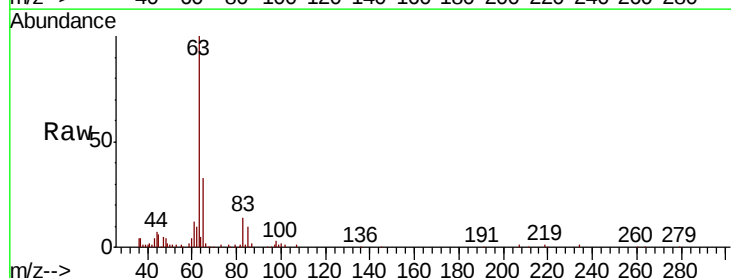
Tgt Ion: 63 Resp: 82221

Ion Ratio Lower Upper

63 100

98 2.5 1.4 4.2

100 2.5 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

40000

30000

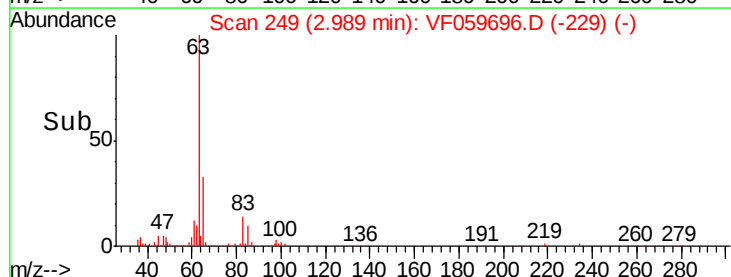
20000

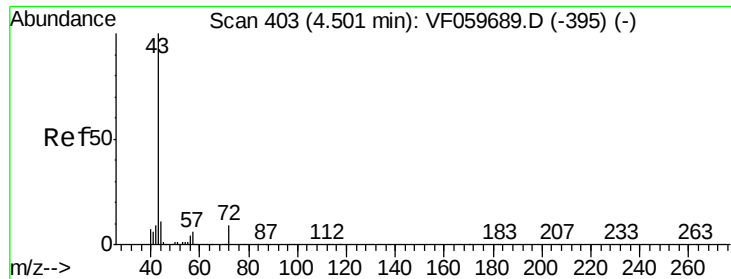
10000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 113.701 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

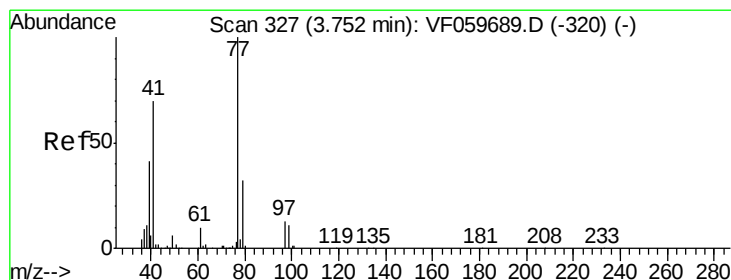
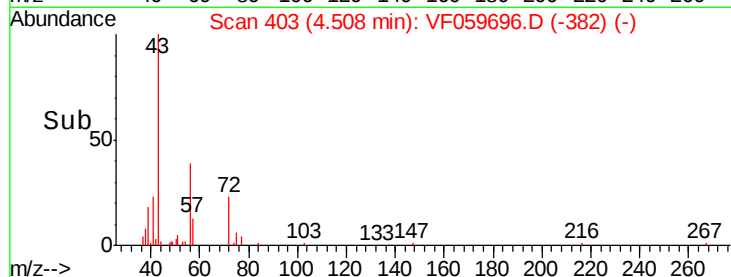
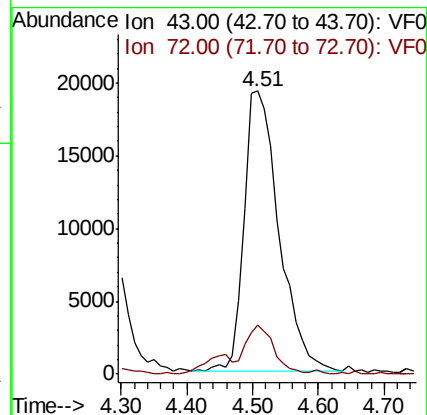
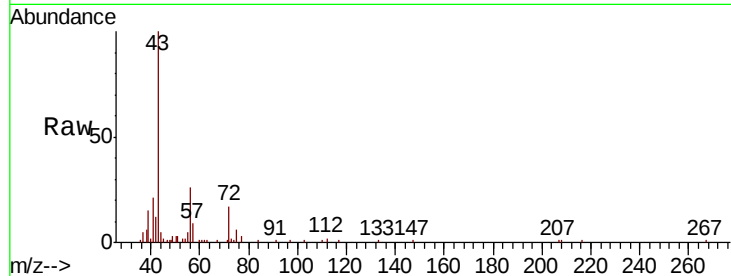
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 71718

Ion Ratio Lower Upper

43 100

72 17.3 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 20.679 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059696.D

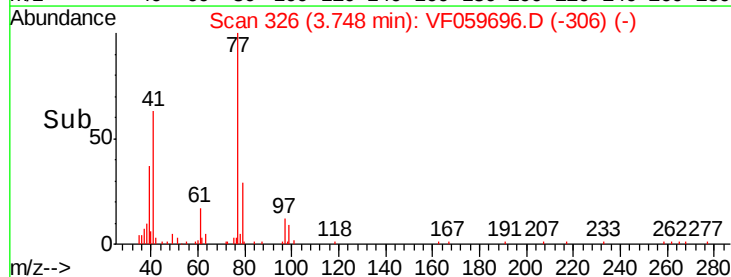
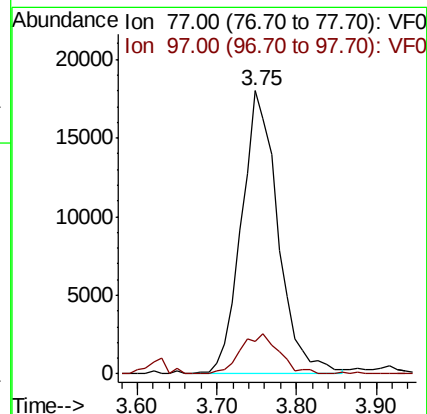
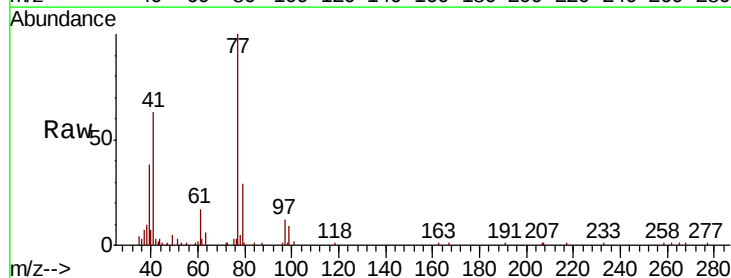
Acq: 30 Jul 2018 19:04

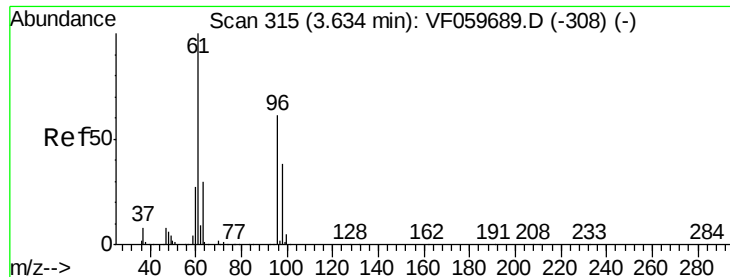
Tgt Ion: 77 Resp: 57221

Ion Ratio Lower Upper

77 100

97 11.7 6.8 20.4



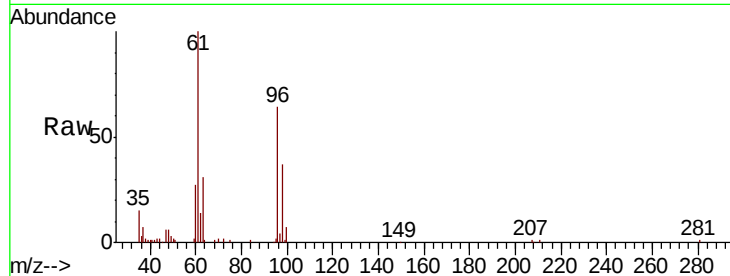


#27

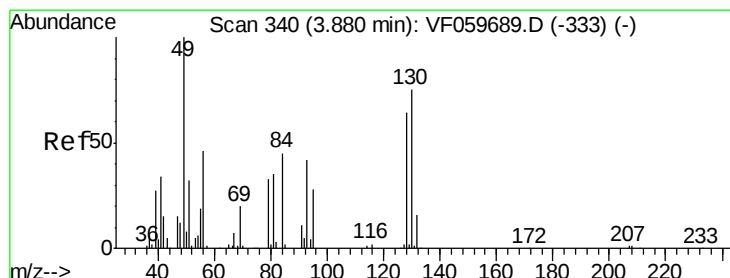
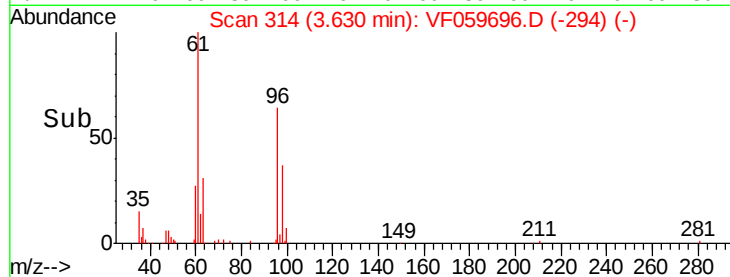
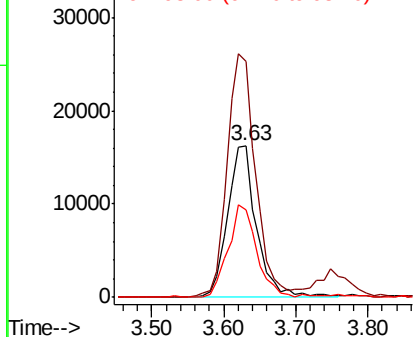
cis-1,2-Dichloroethene
 Concen: 25.959 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	326.8
98	57.9	0.0	125.2



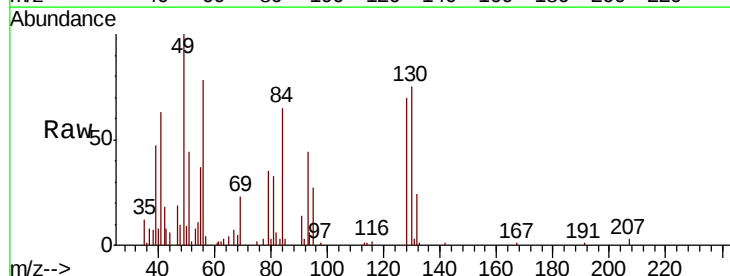
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



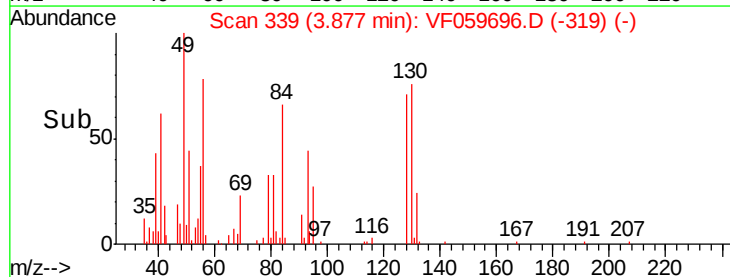
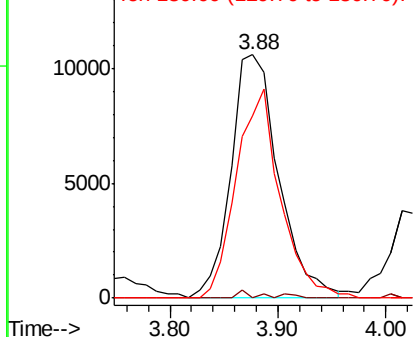
#28

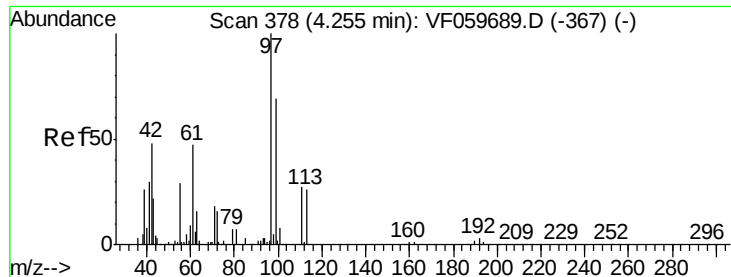
Bromochloromethane
 Concen: 26.049 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	75.0	59.6	89.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

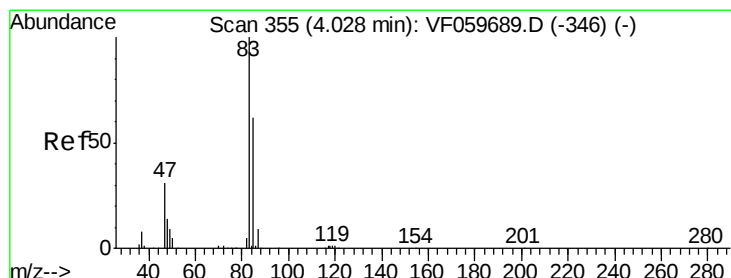
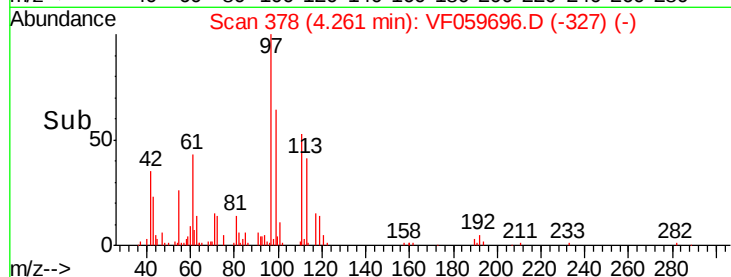
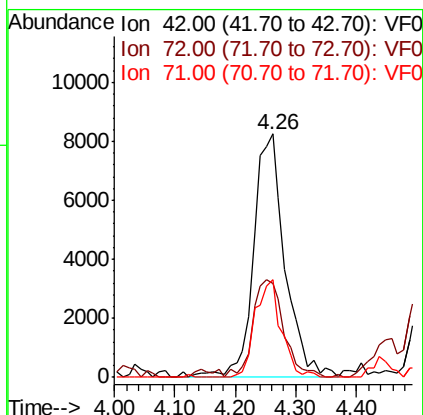
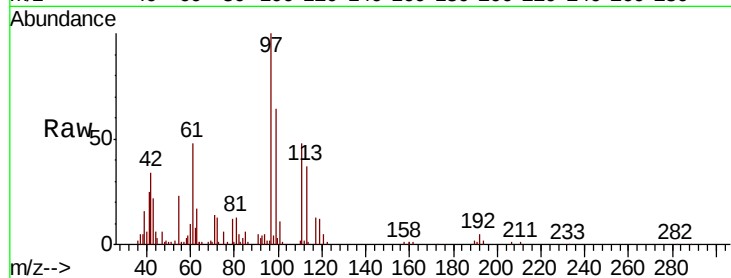




#29
Tetrahydrofuran
Concen: 117.399 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

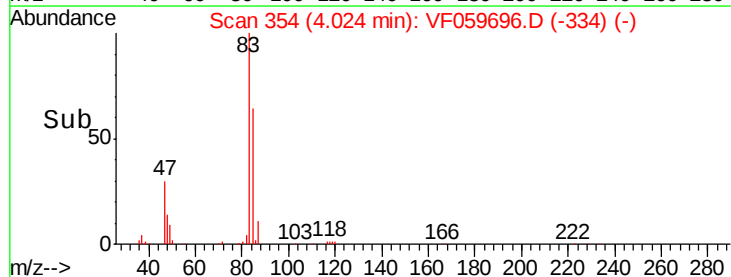
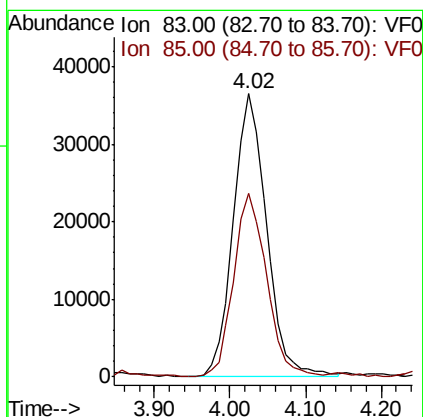
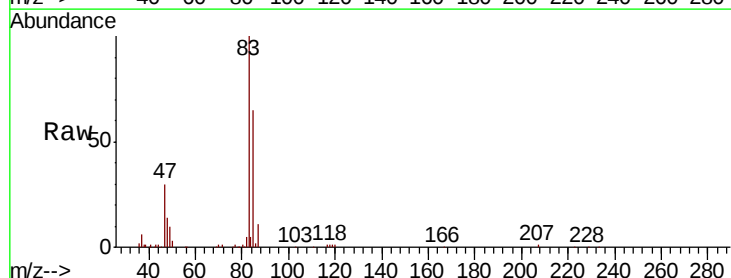
Instrument :
MSVOA_F
ClientSampled :

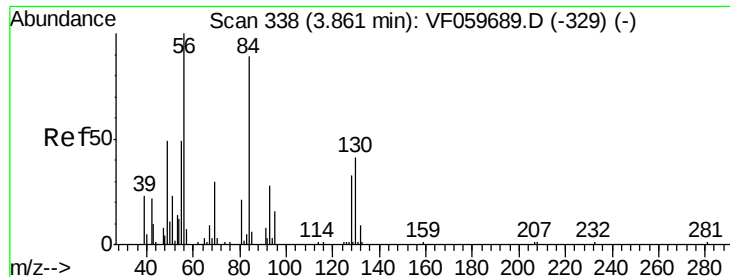
Tot Ion: 42 Resp: 29722
Ion Ratio Lower Upper
42 100
72 39.6 27.0 40.6
71 33.6 29.7 44.5



#30
Chloroform
Concen: 23.222 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 83 Resp: 111587
Ion Ratio Lower Upper
83 100
85 64.8 49.4 74.0

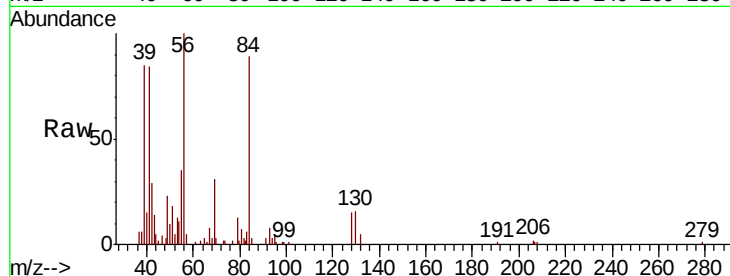




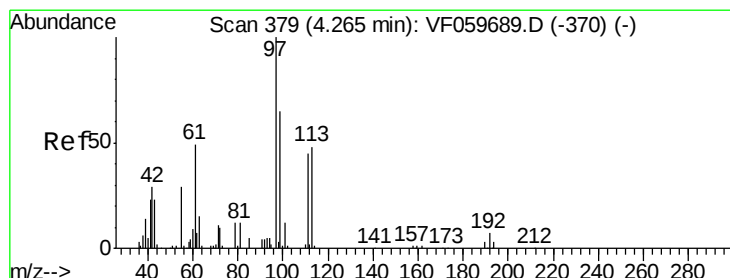
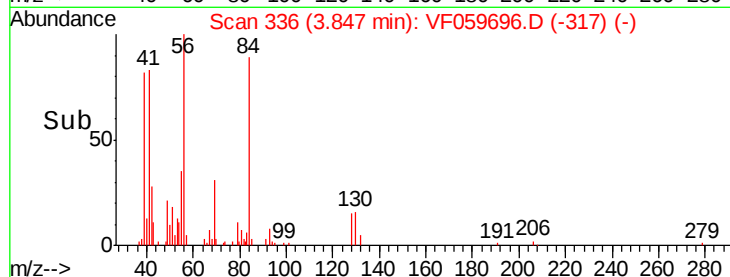
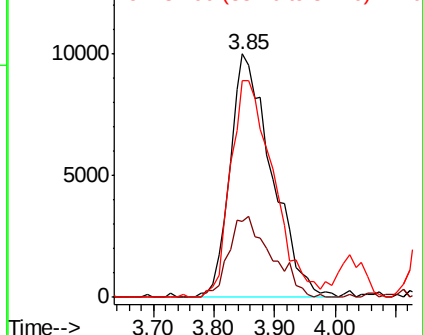
#31
Cyclohexane
Concen: 24.559 ug/l
RT: 3.85 min Scan# 336
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 48001
Ion Ratio Lower Upper
56 100
69 31.3 23.7 35.5
84 88.9 71.1 106.7

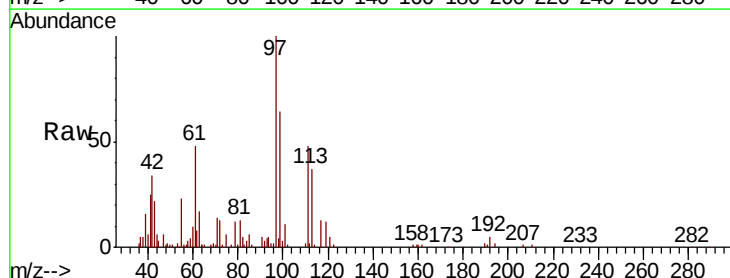


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

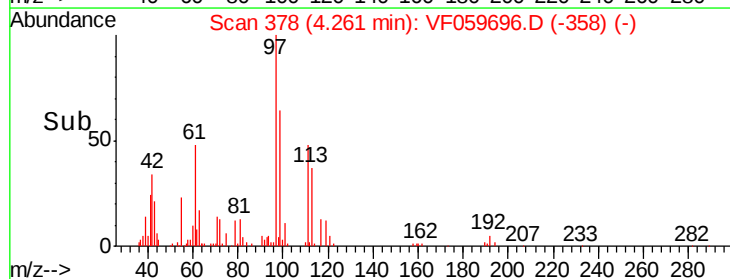
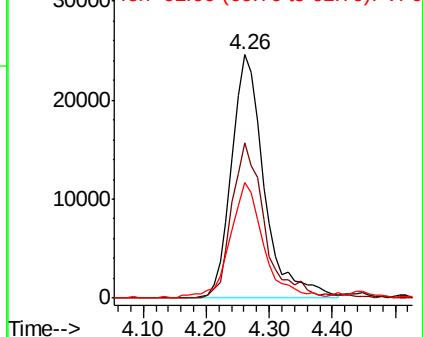


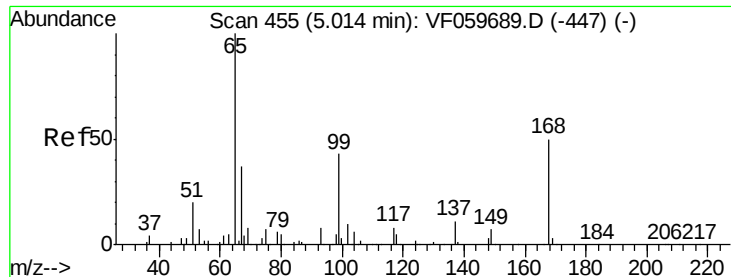
#32
1,1,1-Trichloroethane
Concen: 22.371 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 97 Resp: 88180
Ion Ratio Lower Upper
97 100
99 63.8 52.4 78.6
61 47.7 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

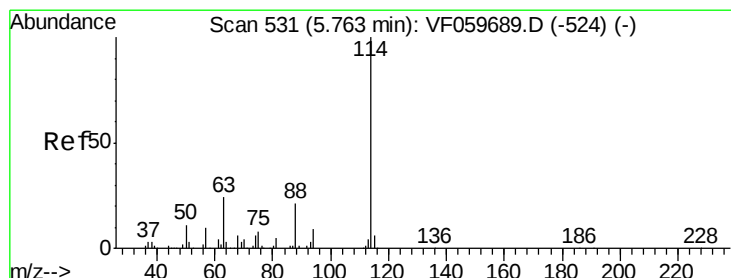
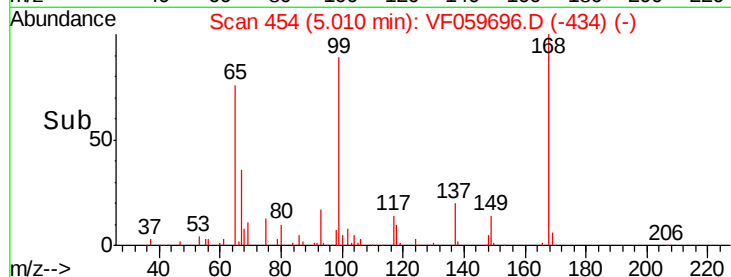
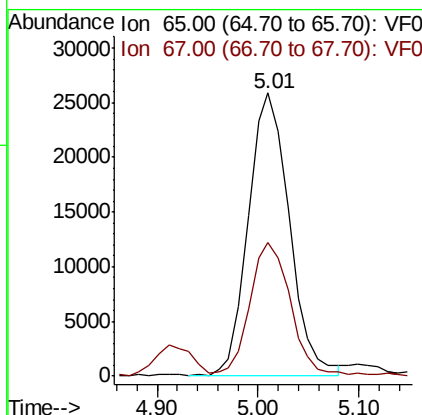
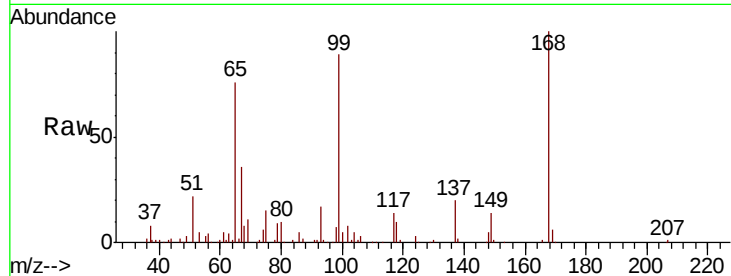




#33
 1,2-Dichloroethane-d4
 Concen: 23.392 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

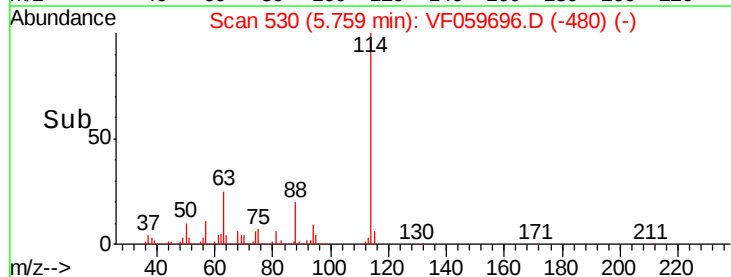
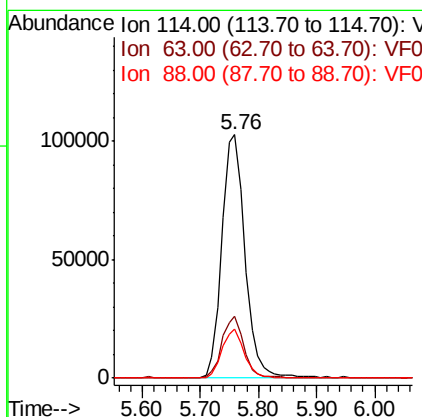
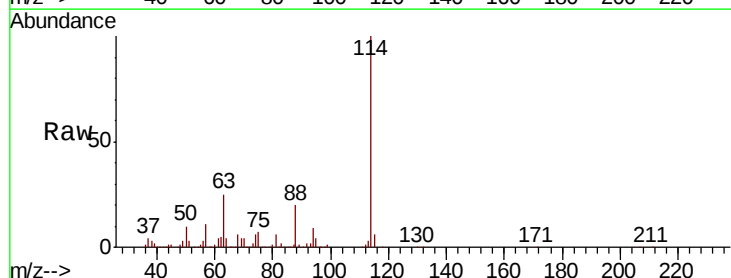
Instrument :
 MSVOA_F
 ClientSampled :

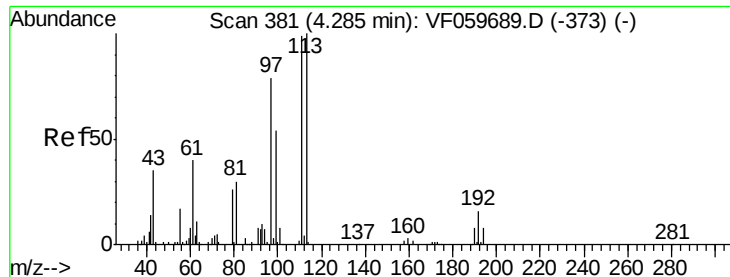
Tot Ion: 65 Resp: 73499
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion: 114 Resp: 284767
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 47.4
 88 19.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 21.613 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :

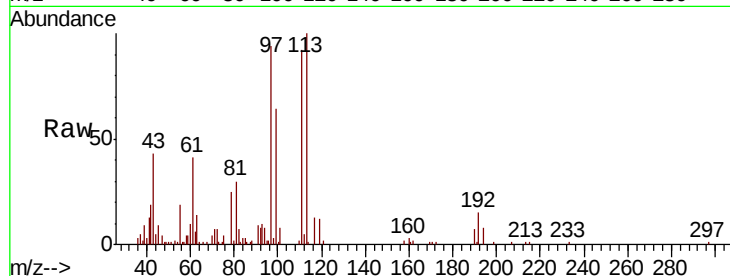
Tot Ion:113 Resp: 58902

Ion Ratio Lower Upper

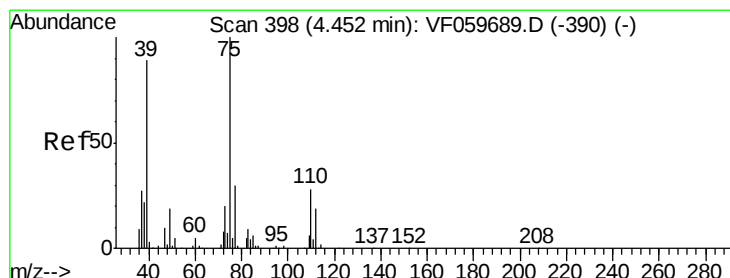
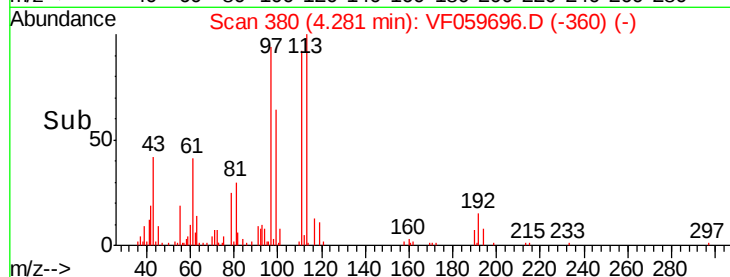
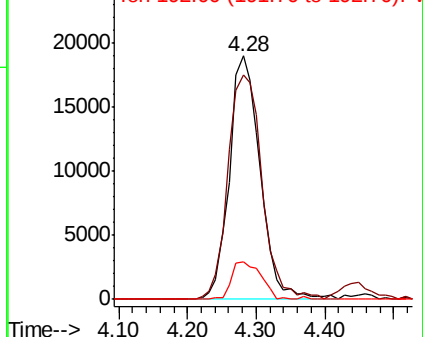
113 100

111 91.9 79.0 118.4

192 15.2 13.2 19.8



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 23.600 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

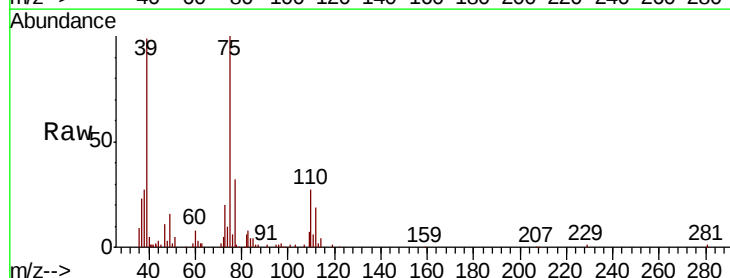
Tgt Ion: 75 Resp: 72895

Ion Ratio Lower Upper

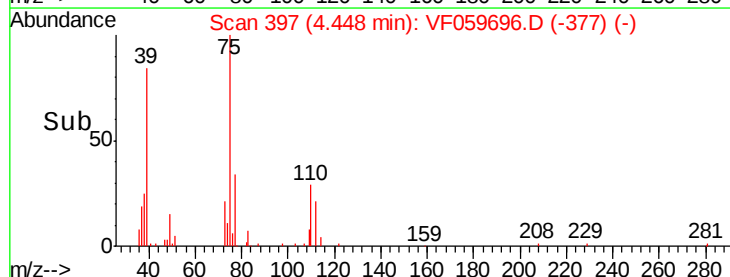
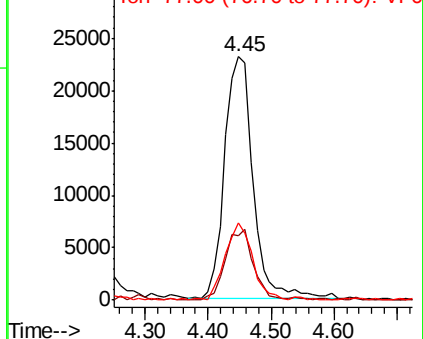
75 100

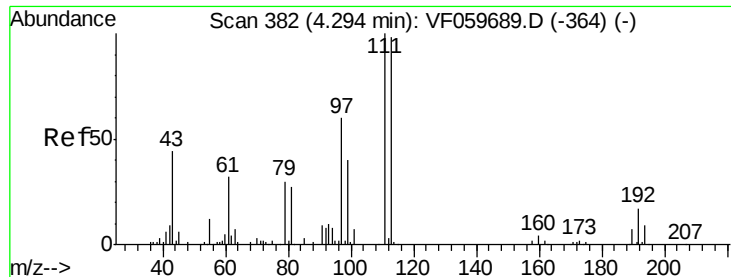
110 26.6 14.0 41.9

77 31.9 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

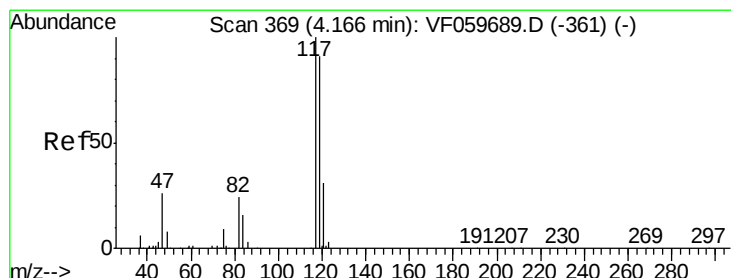
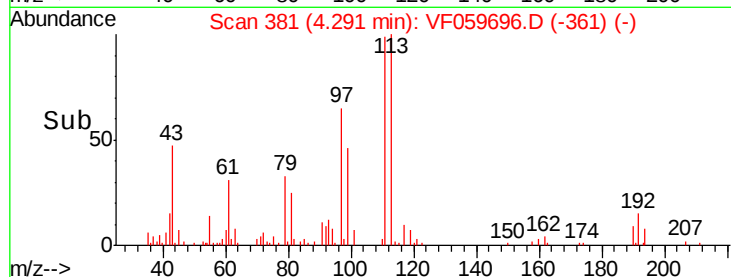
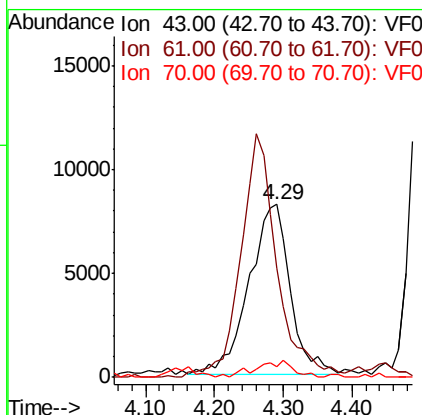
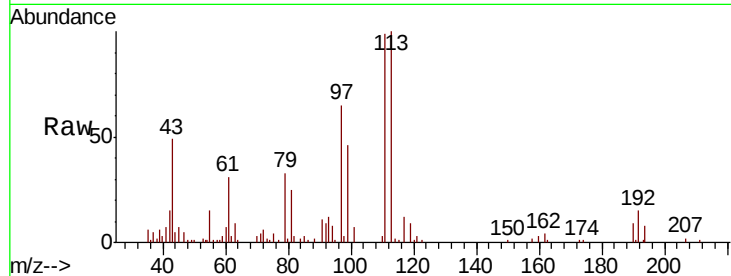




#37
Ethyl Acetate
Concen: 25.273 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

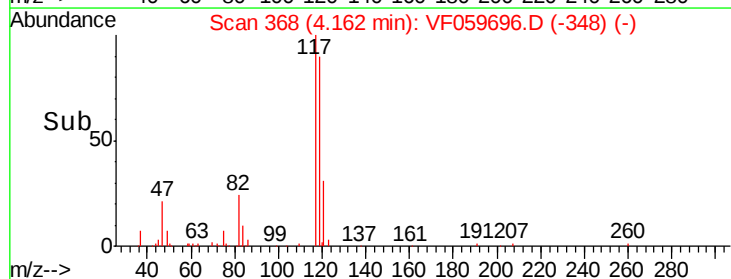
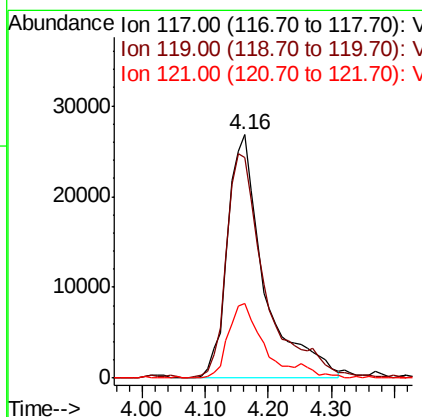
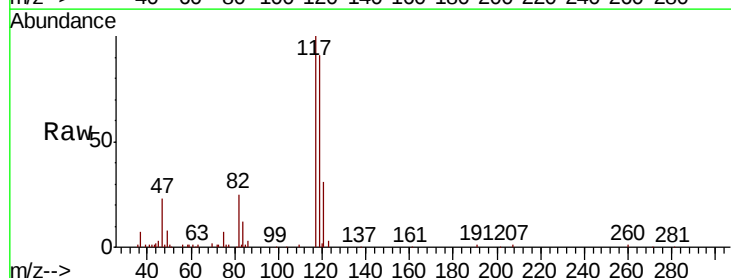
Instrument :
MSVOA_F
ClientSampled :

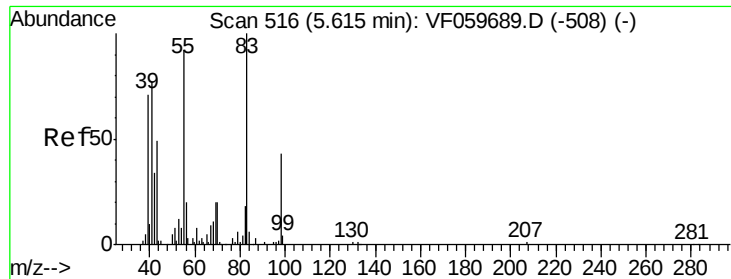
Tot Ion: 43 Resp: 34053
Ion Ratio Lower Upper
43 100
61 63.4 58.2 87.2
70 5.9 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 23.894 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 117 Resp: 108283
Ion Ratio Lower Upper
117 100
119 90.7 72.9 109.3
121 30.8 25.0 37.4

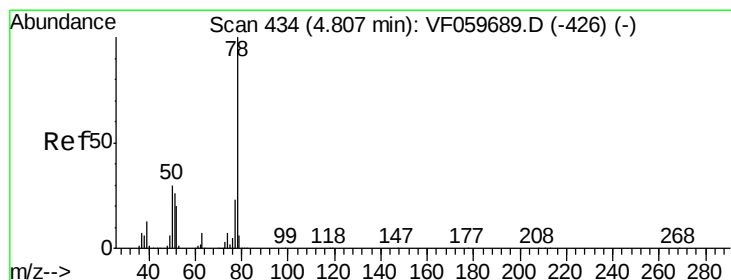
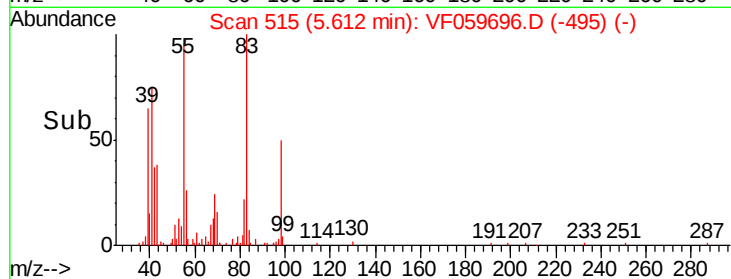
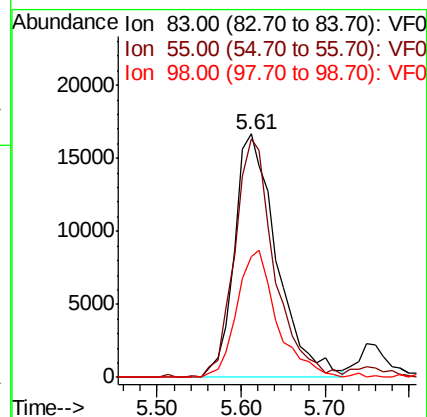
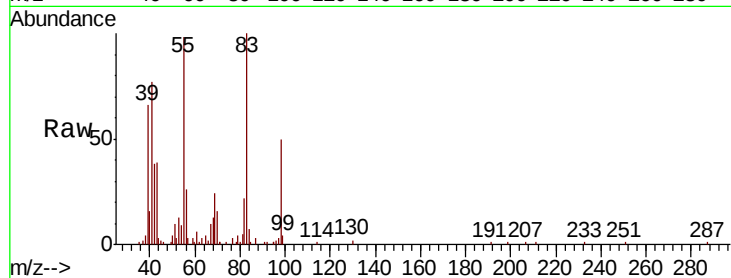




#39
Methvlcvclohexane
Concen: 23.232 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

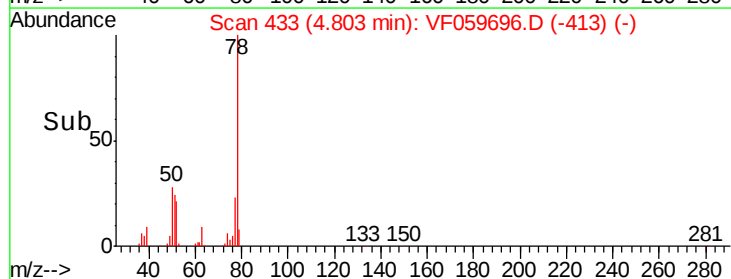
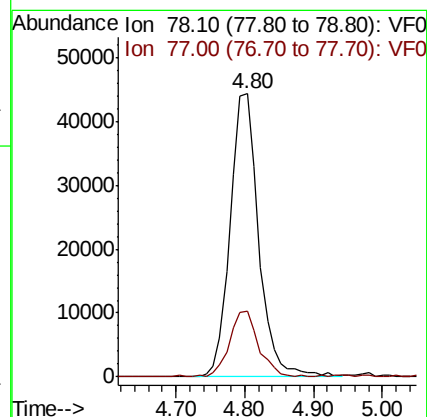
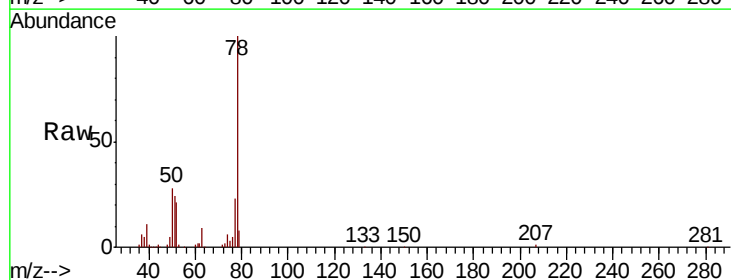
Instrument :
MSVOA_F
ClientSampleId :

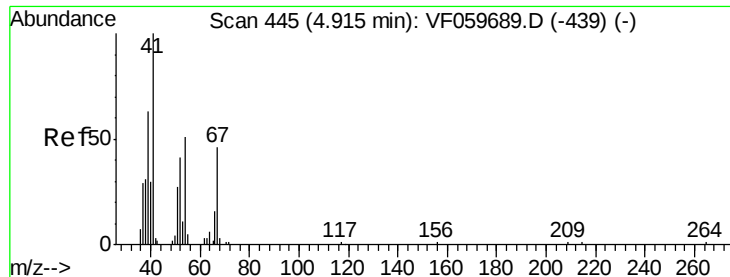
Tot Ion: 83 Resp: 58400
Ion Ratio Lower Upper
83 100
55 98.0 73.4 110.2
98 49.6 34.2 51.4



#40
Benzene
Concen: 23.327 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 78 Resp: 127975
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

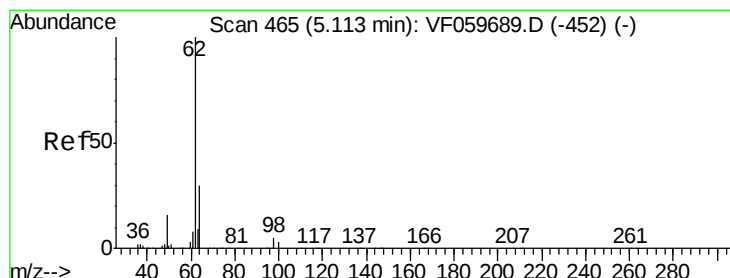
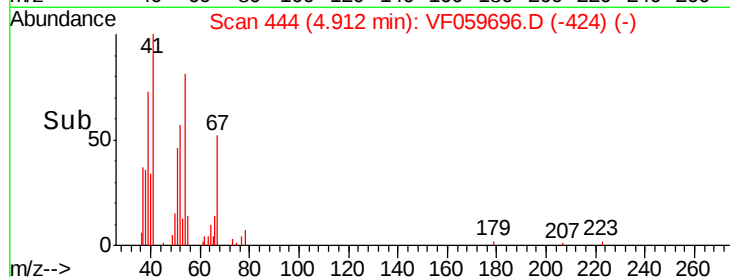
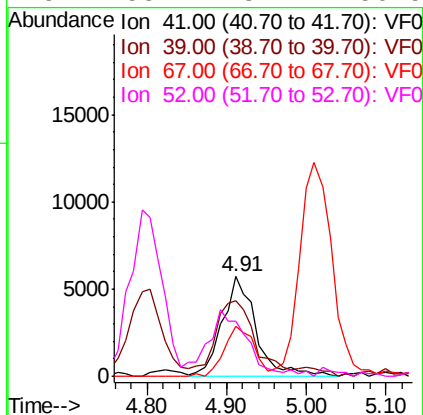
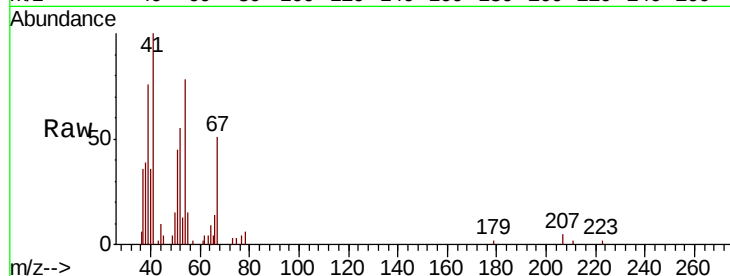




#41
Methacrylonitrile
Concen: 25.630 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

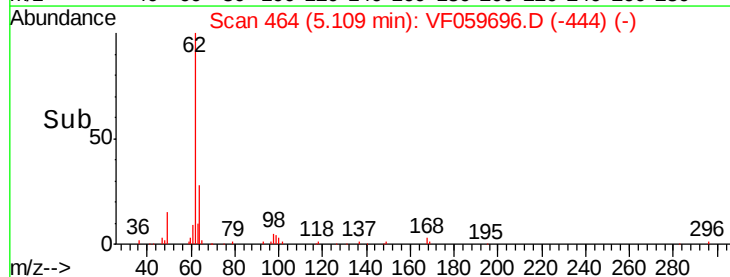
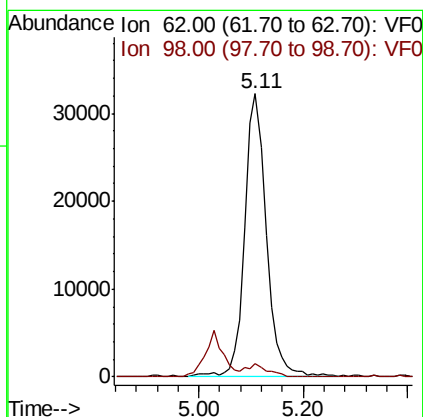
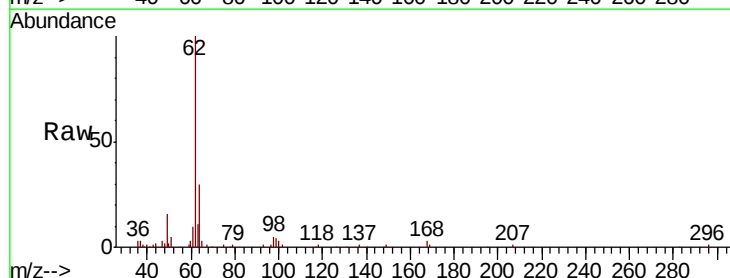
Instrument :
MSVOA_F
ClientSampleId :

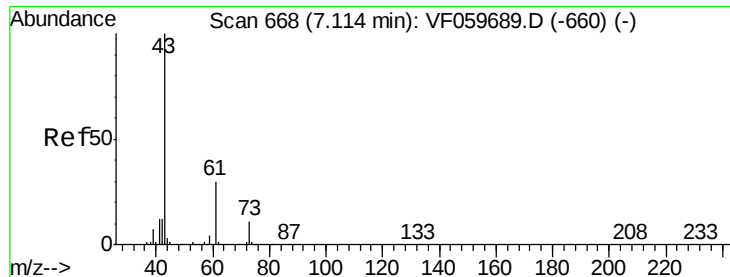
Tot Ion:	41	Resp:	17005
Ion	Ratio	Lower	Upper
41	100		
39	76.3	55.2	82.8
67	50.6	36.2	54.2
52	55.4	37.7	56.5



#42
1,2-Dichloroethane
Concen: 25.155 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:	62	Resp:	89799
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	9.6





#43

Isopropyl Acetate

Concen: 25.101 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

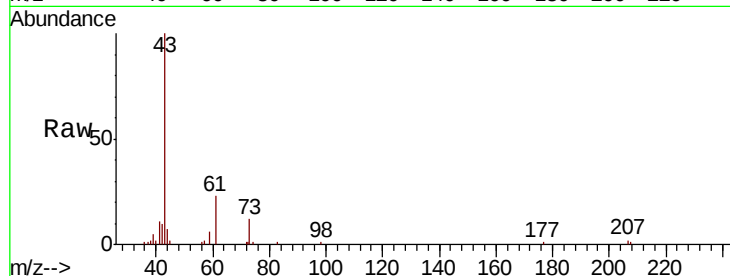
Tot Ion: 43 Resp: 35019

Ion Ratio Lower Upper

43 100

61 23.2 23.8 35.8#

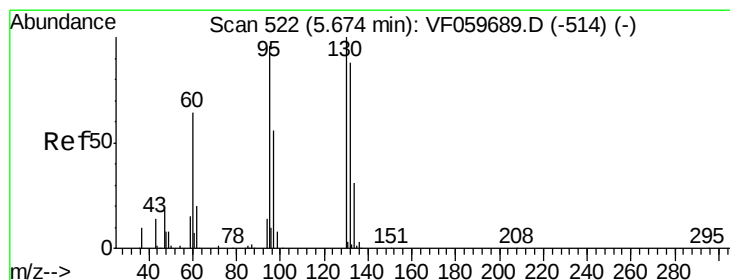
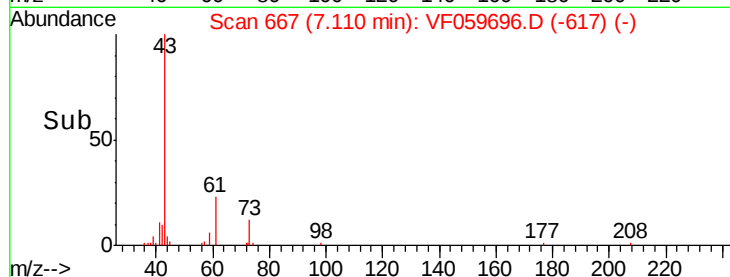
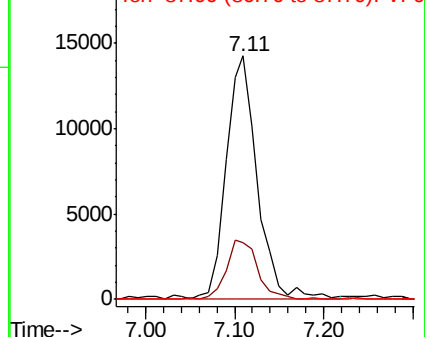
87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.974 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059696.D

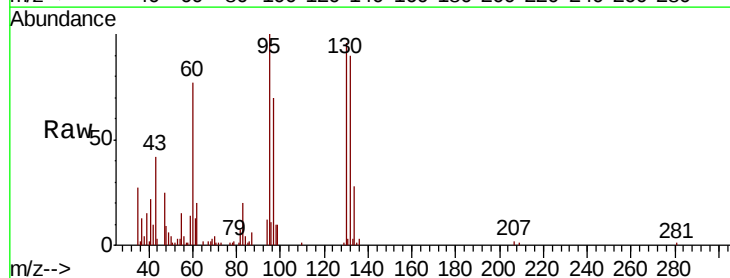
Acq: 30 Jul 2018 19:04

Tgt Ion:130 Resp: 48815

Ion Ratio Lower Upper

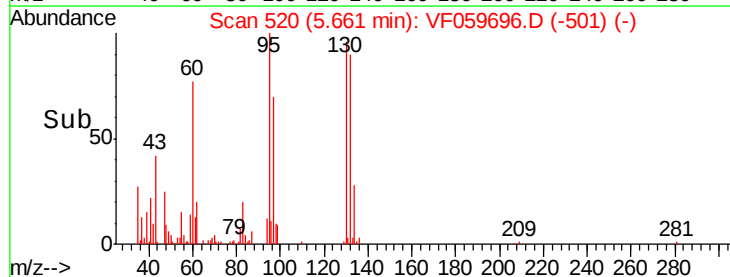
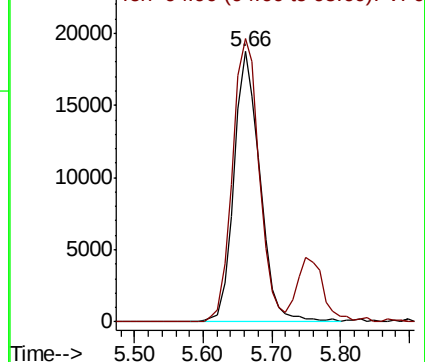
130 100

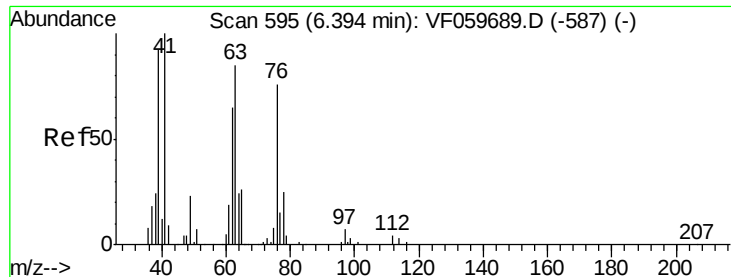
95 104.7 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.046 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

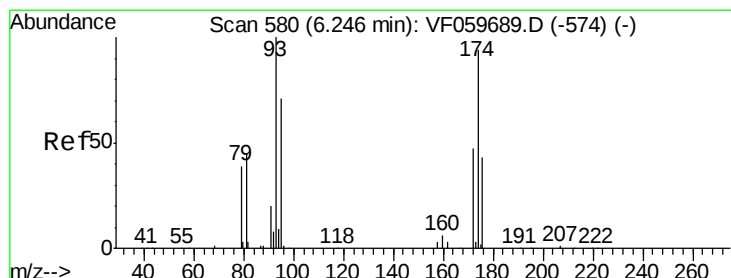
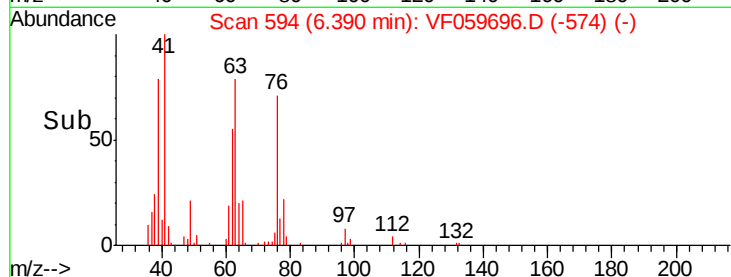
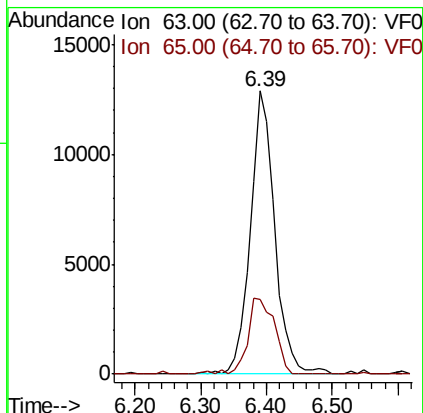
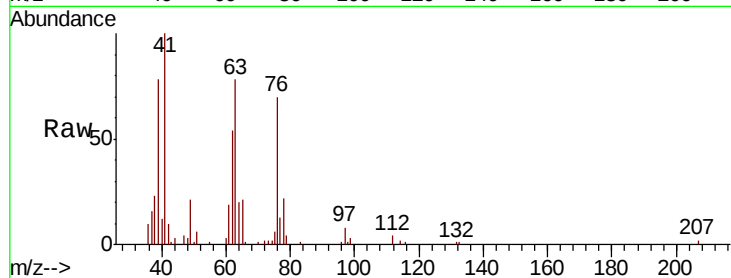
ClientSampled :

Tot Ion: 63 Resp: 33599

Ion Ratio Lower Upper

63 100

65 26.5 25.2 37.8



#46

Dibromomethane

Concen: 24.220 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

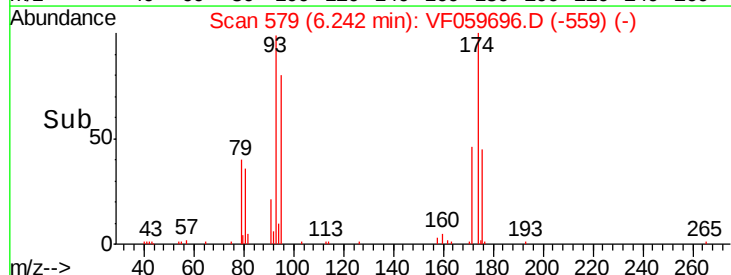
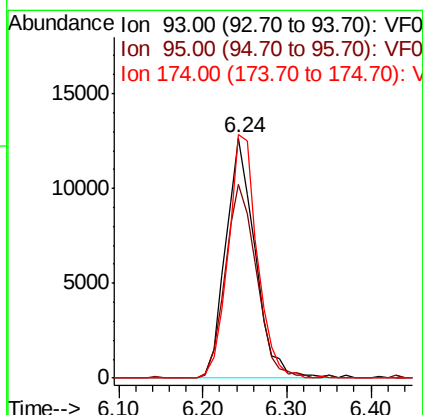
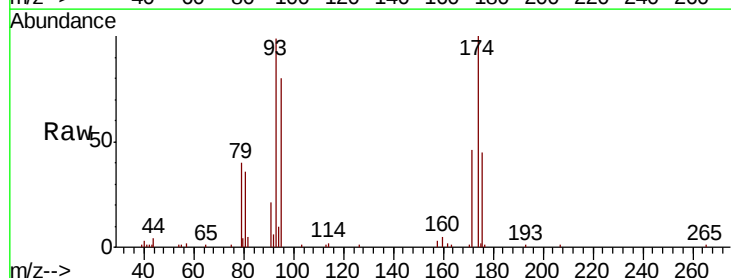
Tgt Ion: 93 Resp: 30663

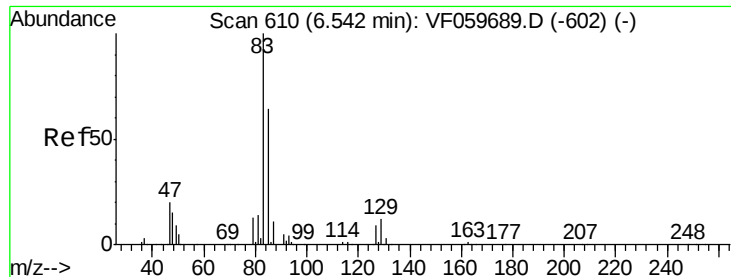
Ion Ratio Lower Upper

93 100

95 80.8 57.1 85.7

174 101.5 74.8 112.2





#47

Bromodichloromethane

Concen: 23.627 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

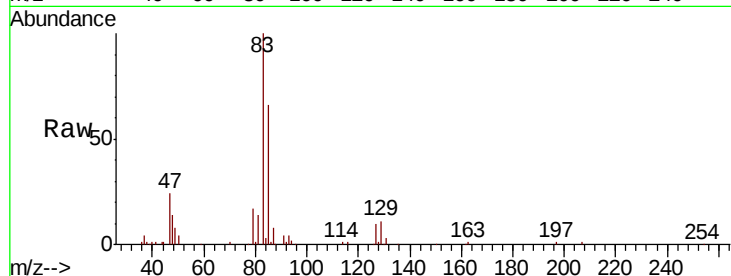
Tot Ion: 83 Resp: 87642

Ion Ratio Lower Upper

83 100

85 66.1 51.0 76.6

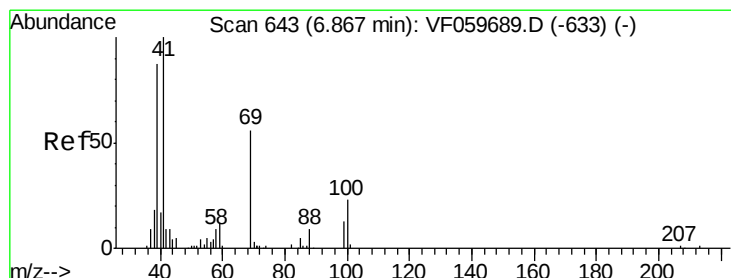
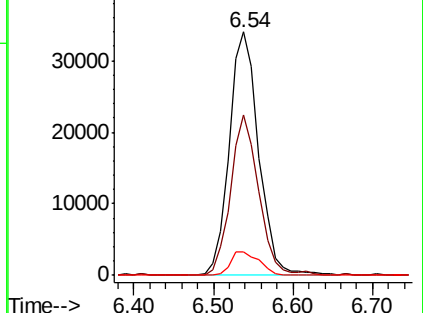
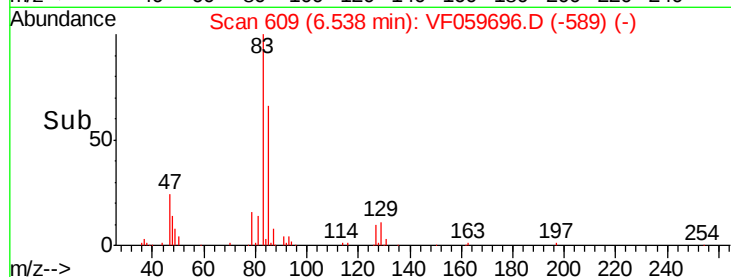
127 9.7 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 23.222 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

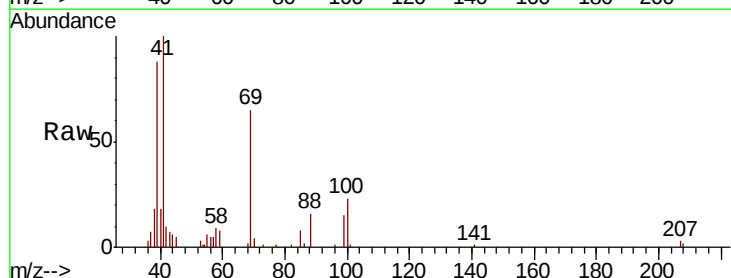
Tgt Ion: 41 Resp: 25427

Ion Ratio Lower Upper

41 100

69 65.2 44.4 66.6

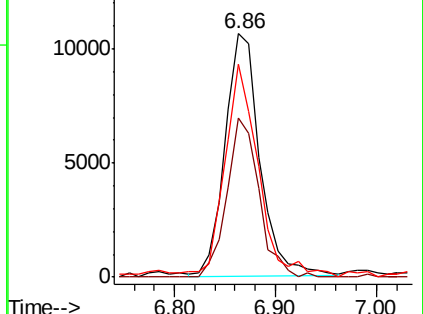
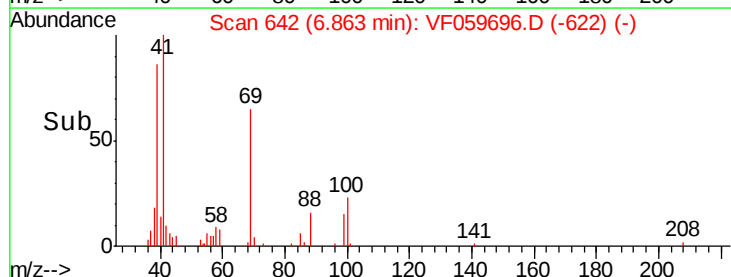
39 87.5 69.4 104.2

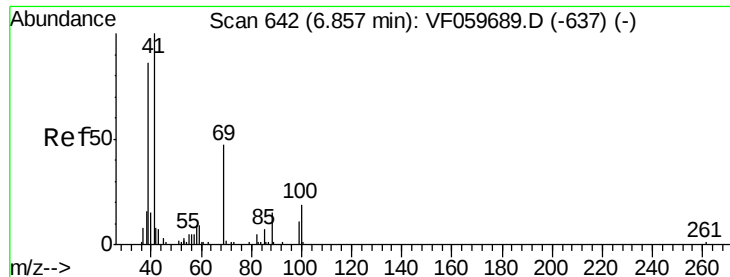


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 529.075 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

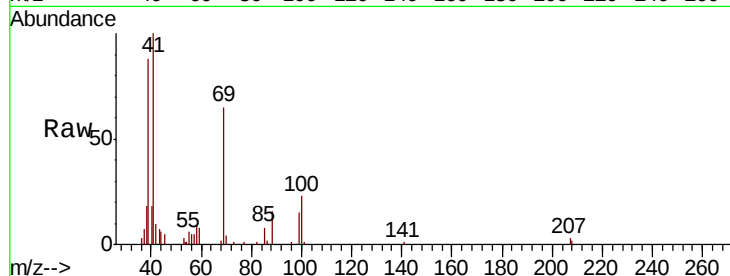
Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

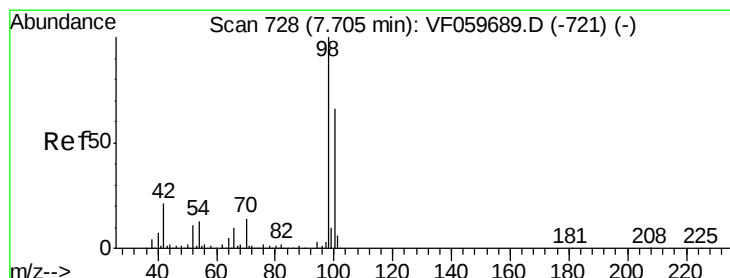
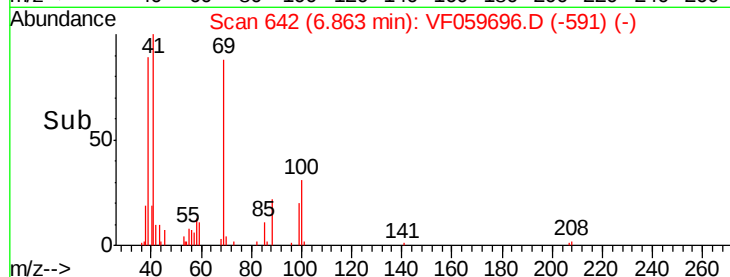
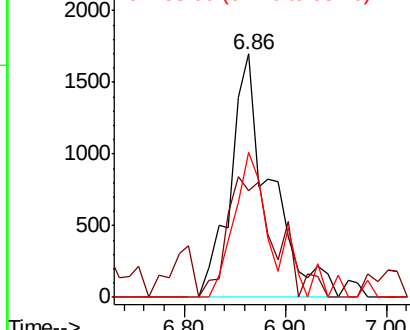
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 4623

Ion	Ratio	Lower	Upper
88	100		
43	44.0	45.2	67.8#
58	59.5	49.0	73.6



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 20.464 ug/l

RT: 7.70 min Scan# 727

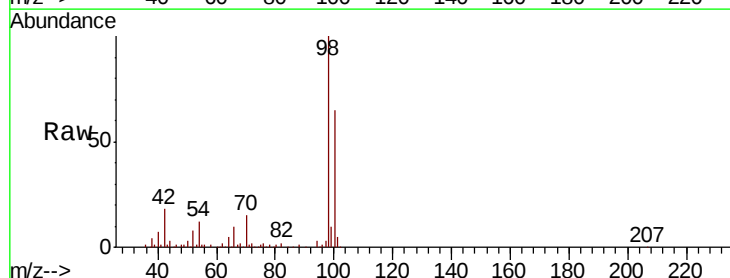
Delta R.T. -0.00 min

Lab File: VF059696.D

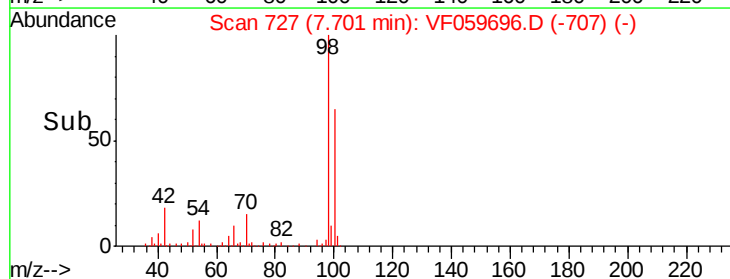
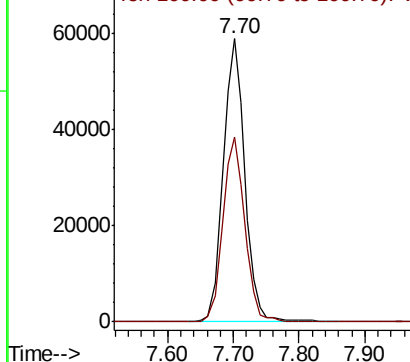
Acq: 30 Jul 2018 19:04

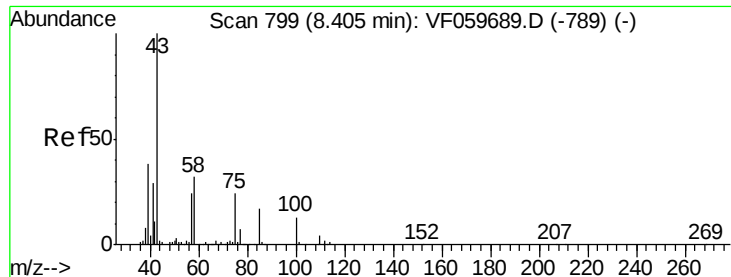
Tgt Ion: 98 Resp: 134849

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 126.262 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

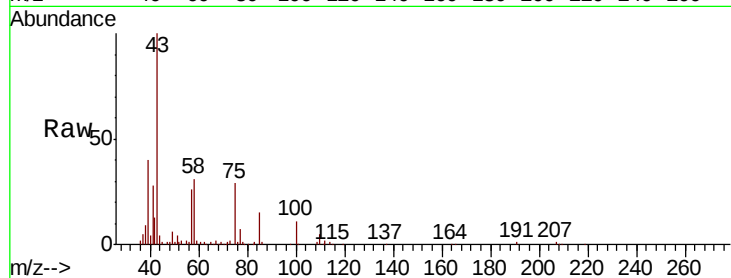
ClientSampleId :

Tot Ion: 43 Resp: 141754

Ion Ratio Lower Upper

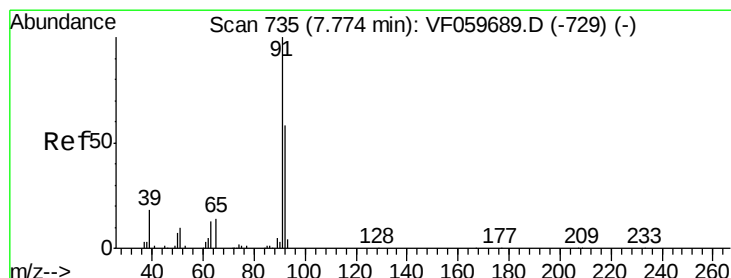
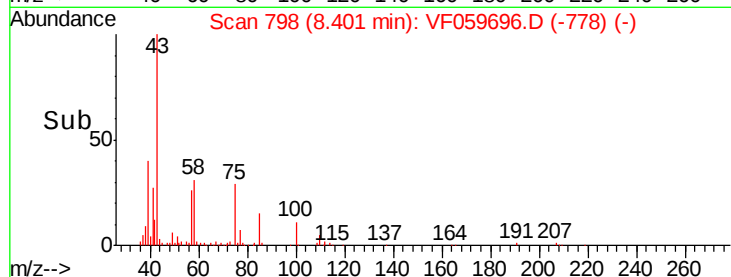
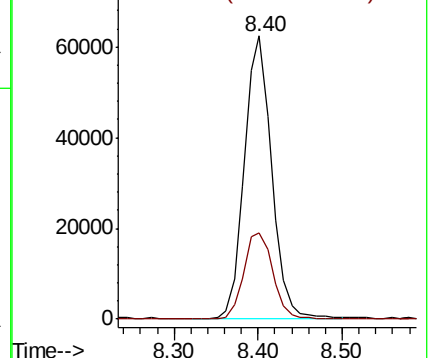
43 100

58 30.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.031 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059696.D

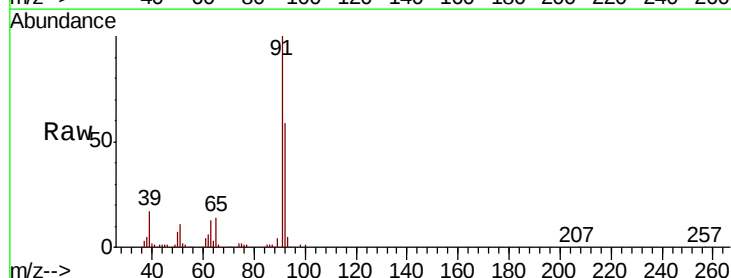
Acq: 30 Jul 2018 19:04

Tgt Ion: 92 Resp: 93850

Ion Ratio Lower Upper

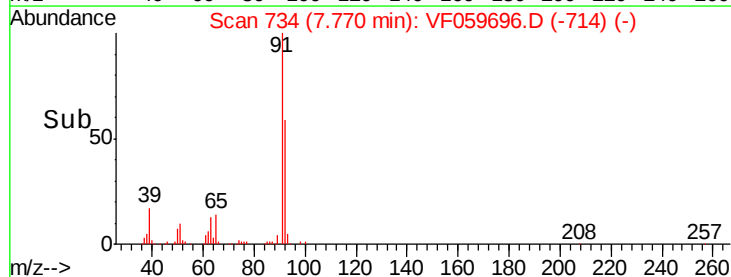
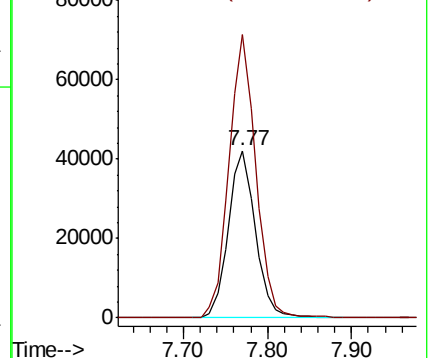
92 100

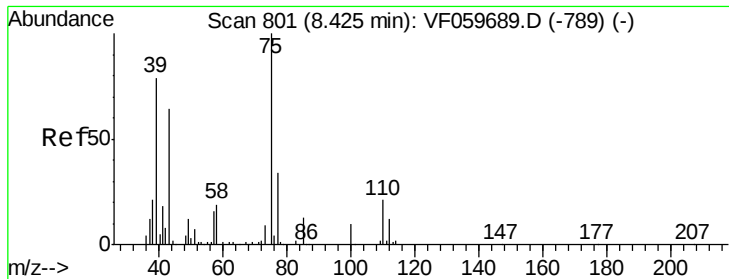
91 169.4 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 25.390 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

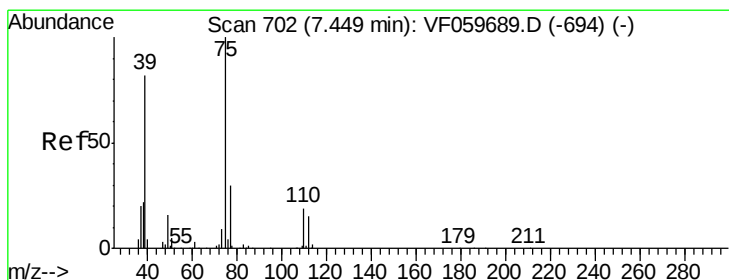
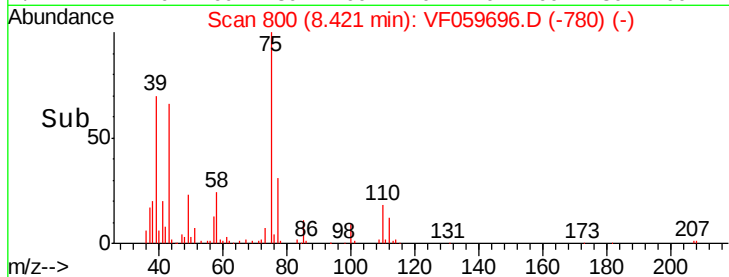
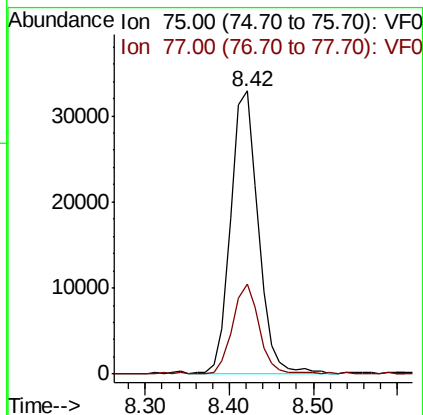
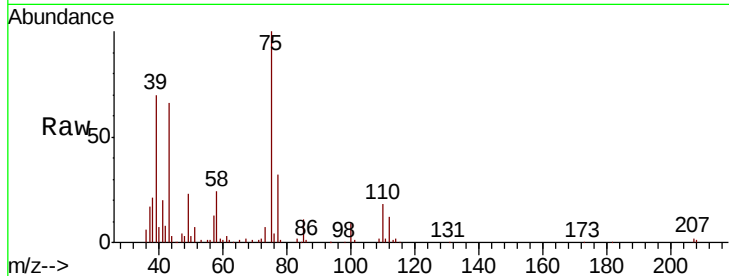
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 75332

Ion Ratio Lower Upper

75 100

77 31.8 27.0 40.4



#54

cis-1,3-Dichloropropene

Concen: 22.740 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

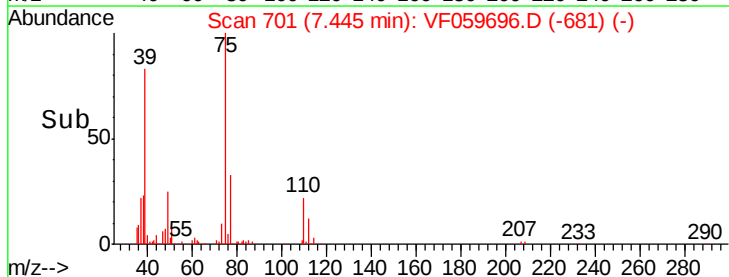
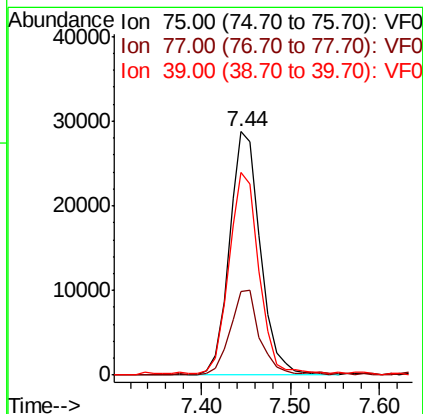
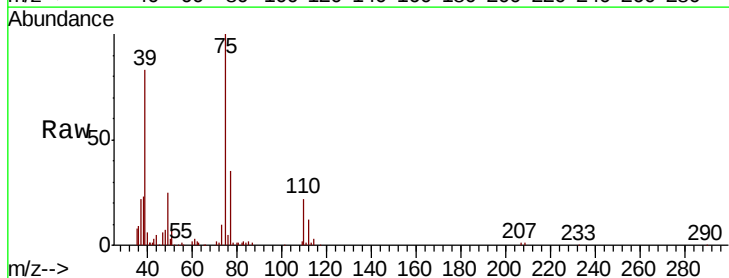
Tgt Ion: 75 Resp: 70005

Ion Ratio Lower Upper

75 100

77 34.5 24.0 36.0

39 83.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 24.019 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

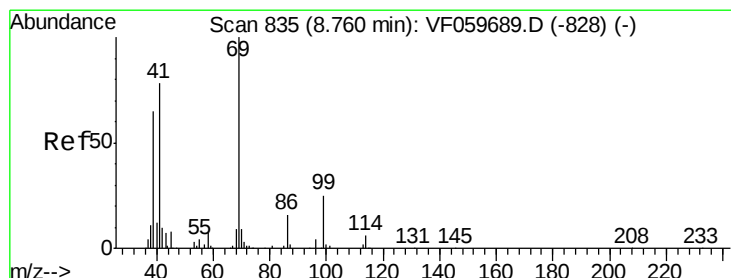
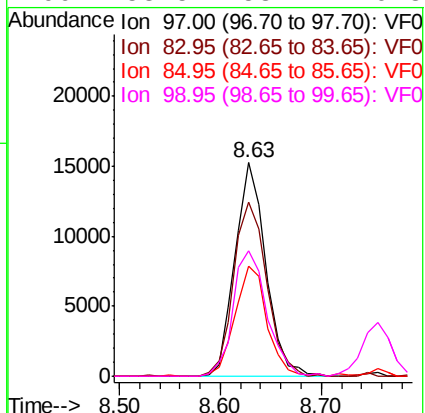
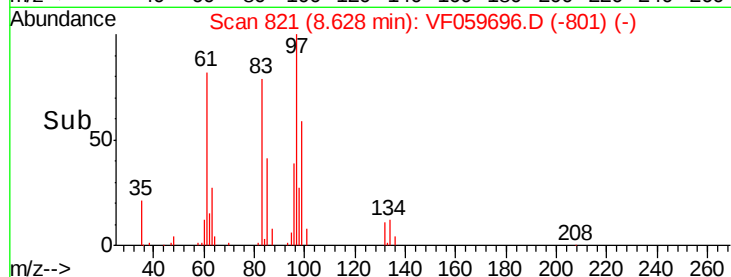
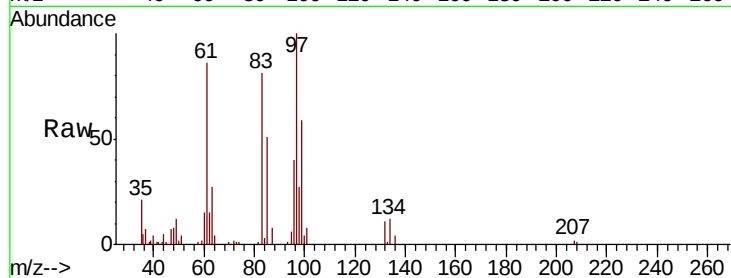
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 32508

Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.6	100.0
85	51.3	47.4	71.0
99	58.5	53.2	79.8



#56

Ethyl methacrylate

Concen: 23.319 ug/l

RT: 8.76 min Scan# 834

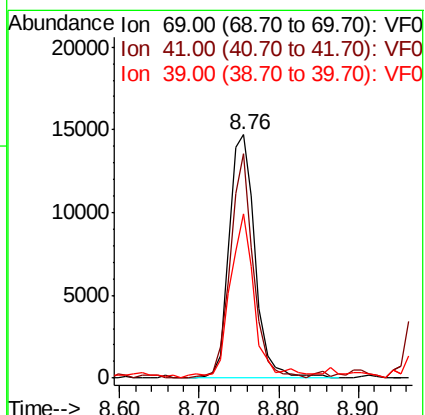
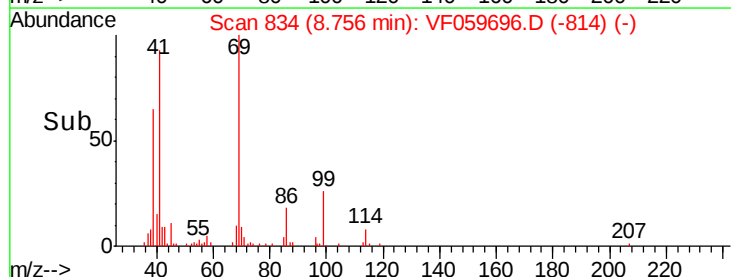
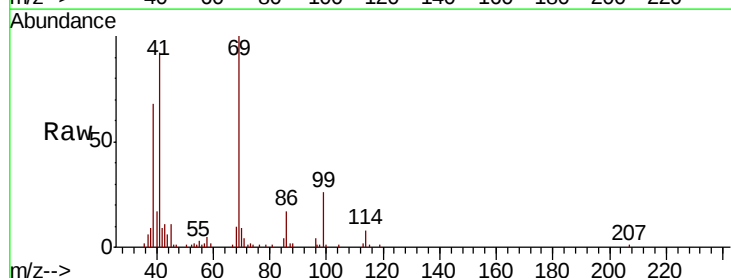
Delta R.T. -0.00 min

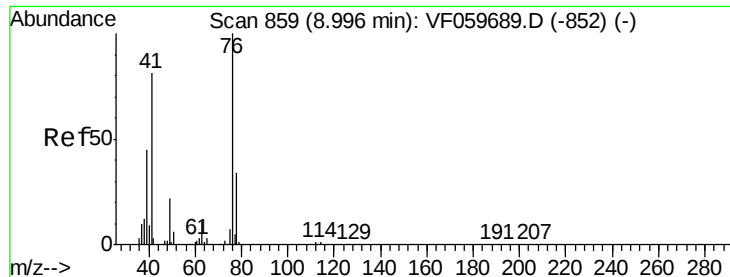
Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion: 69 Resp: 33458

Ion	Ratio	Lower	Upper
69	100		
41	92.0	62.3	93.5
39	67.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 23.870 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

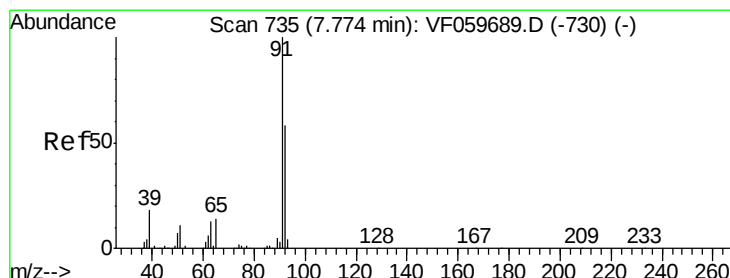
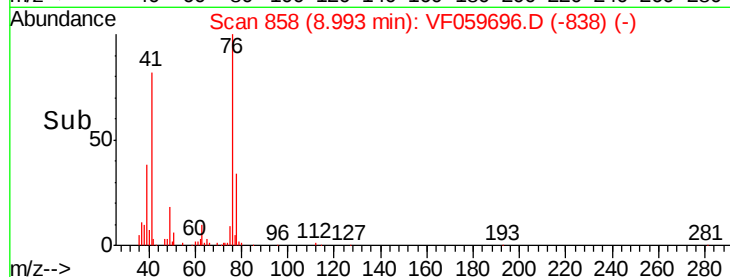
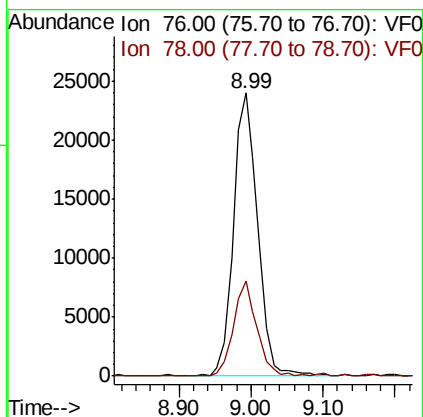
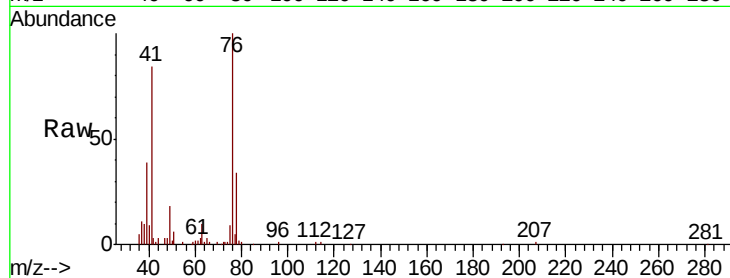
ClientSampled :

Tot Ion: 76 Resp: 55867

Ion Ratio Lower Upper

76 100

78 33.5 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 115.752 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059696.D

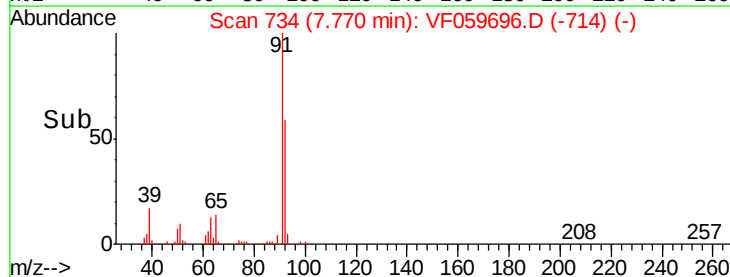
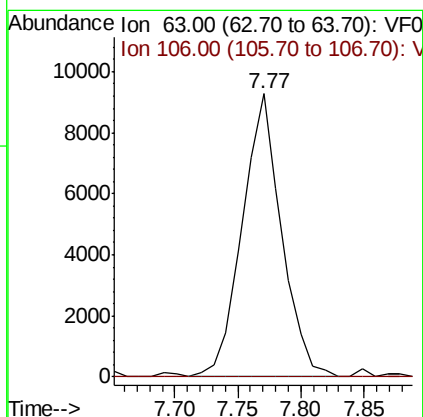
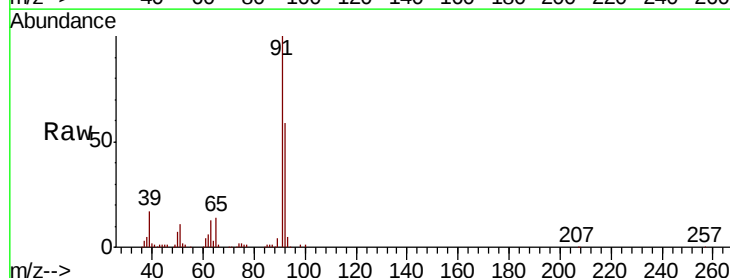
Acq: 30 Jul 2018 19:04

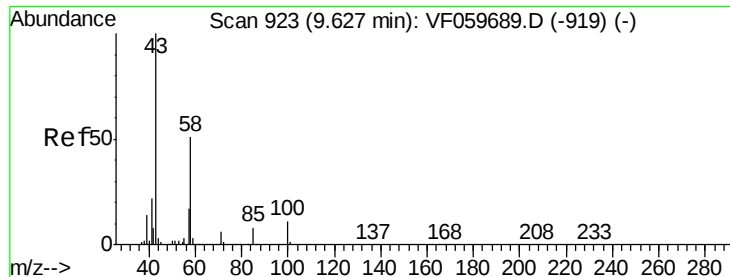
Tgt Ion: 63 Resp: 20053

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

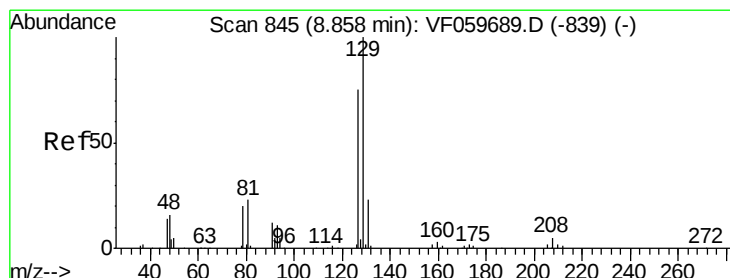
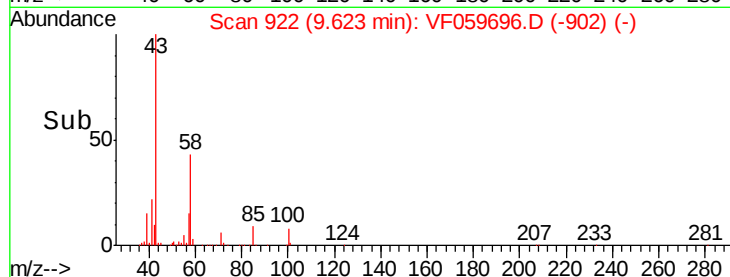
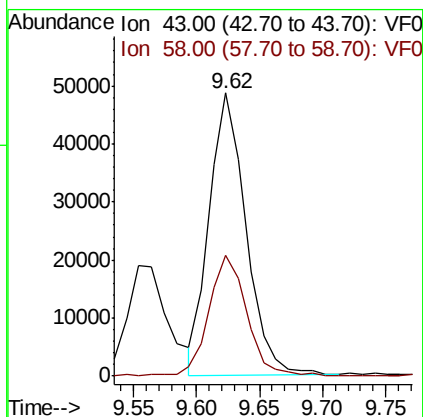
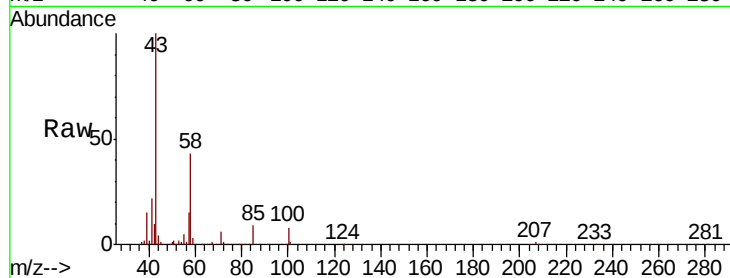




#59
2-Hexanone
Concen: 118.285 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

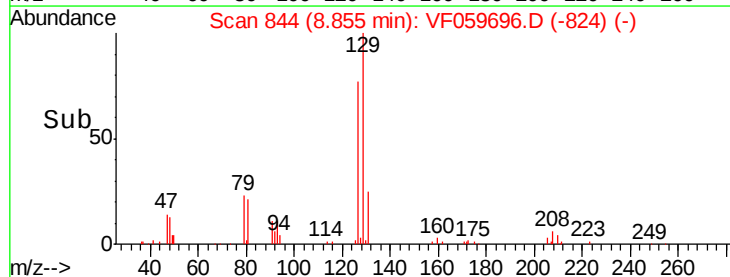
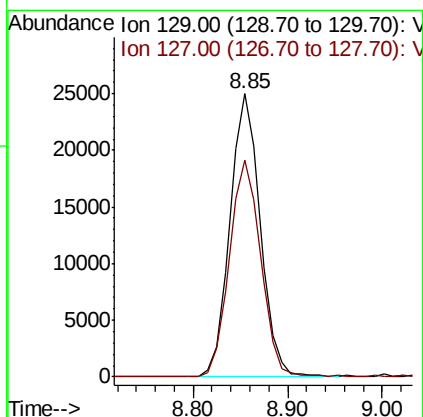
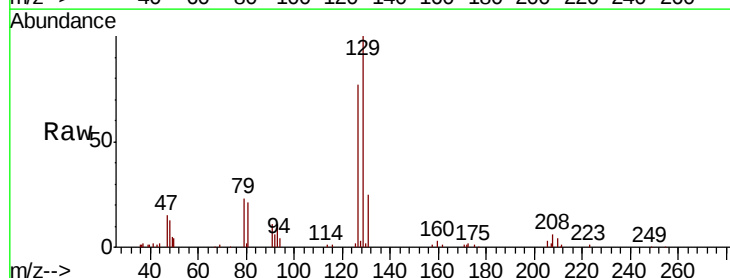
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 98507
Ion Ratio Lower Upper
43 100
58 42.9 23.3 69.8



#60
Dibromochloromethane
Concen: 22.655 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:129 Resp: 55316
Ion Ratio Lower Upper
129 100
127 76.7 37.7 113.1





#61

1,2-Dibromoethane

Concen: 23.085 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

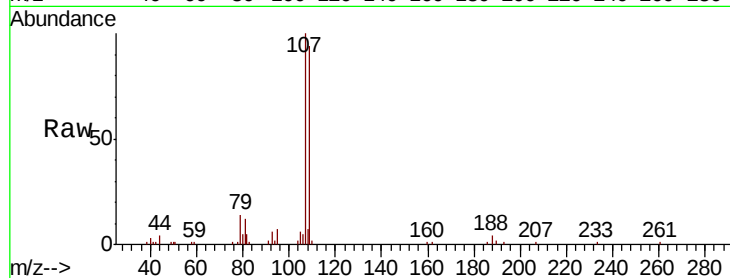
ClientSampleId :

Tot Ion:107 Resp: 37782

Ion Ratio Lower Upper

107 100

109 94.3 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

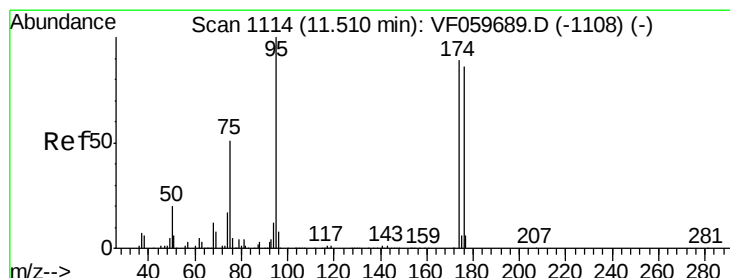
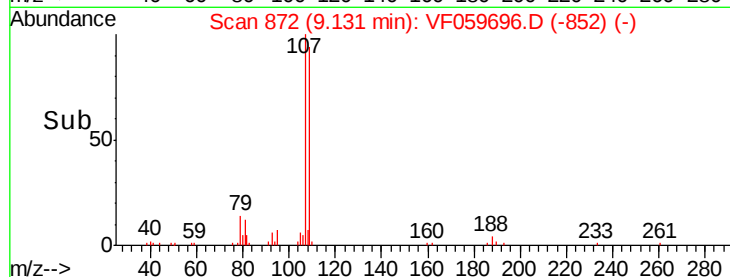
10000

5000

0

Time--> 9.00 9.10 9.20

9.13



#62

4-Bromofluorobenzene

Concen: 20.602 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

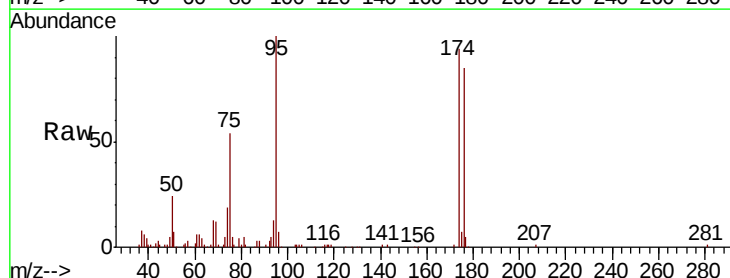
Tgt Ion: 95 Resp: 73455

Ion Ratio Lower Upper

95 100

174 94.3 0.0 178.4

176 85.3 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

60000

50000

40000

30000

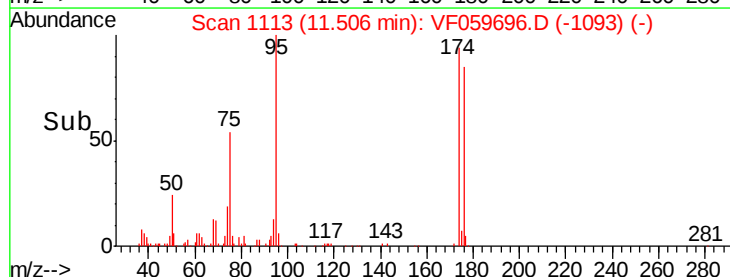
20000

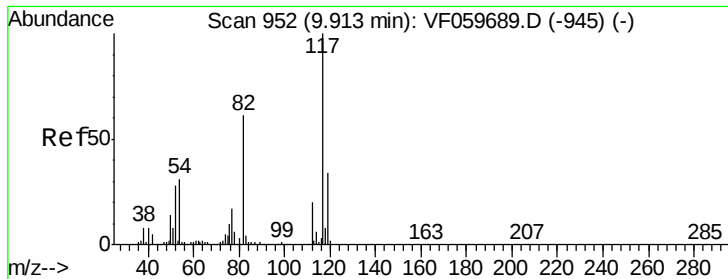
10000

0

Time--> 11.45 11.50 11.55 11.60

11.51

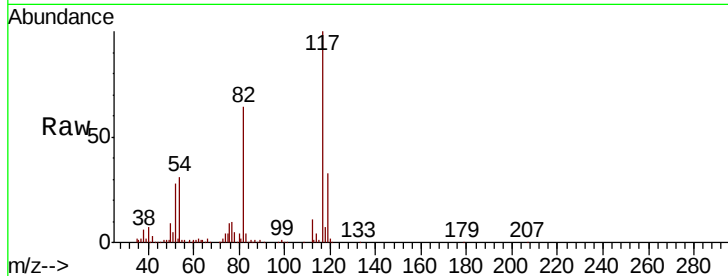




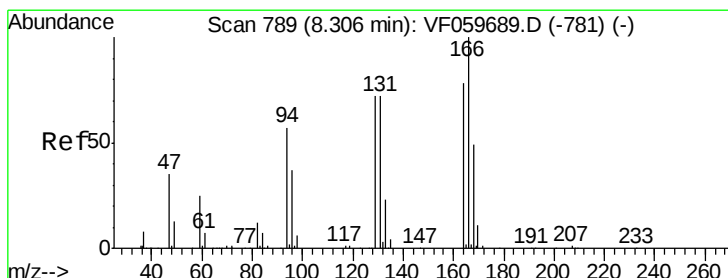
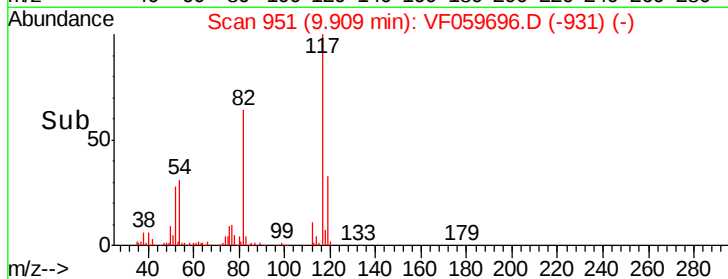
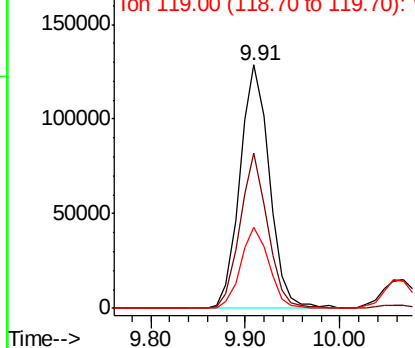
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 278582
Ion Ratio Lower Upper
117 100
82 64.0 49.0 73.4
119 33.3 27.3 40.9

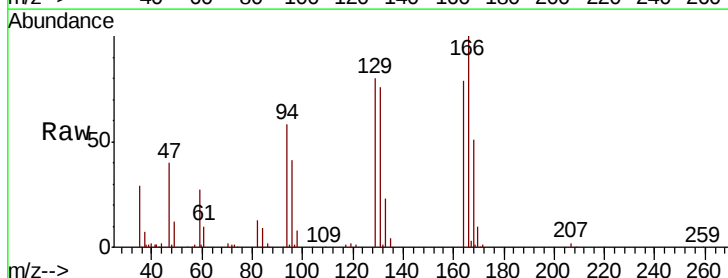


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

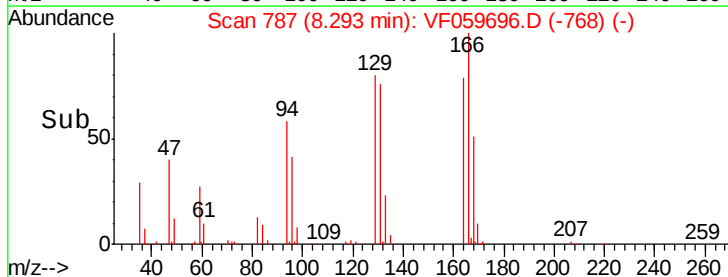
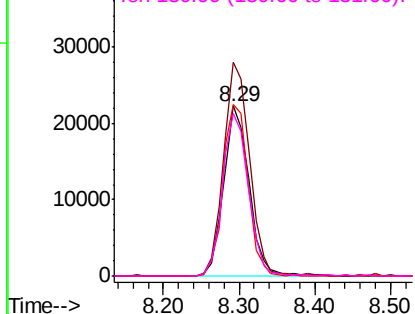


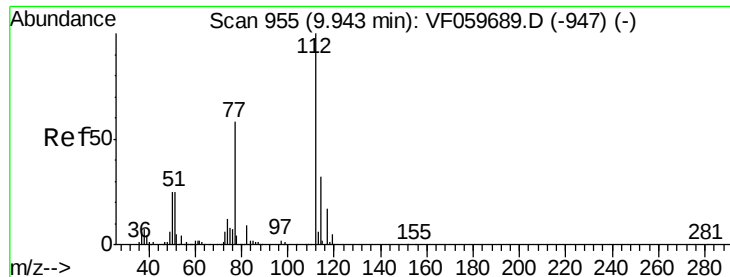
#64
Tetrachloroethene
Concen: 23.361 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:164 Resp: 51856
Ion Ratio Lower Upper
164 100
166 125.9 102.1 153.1
129 100.9 73.8 110.6
131 95.6 73.1 109.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

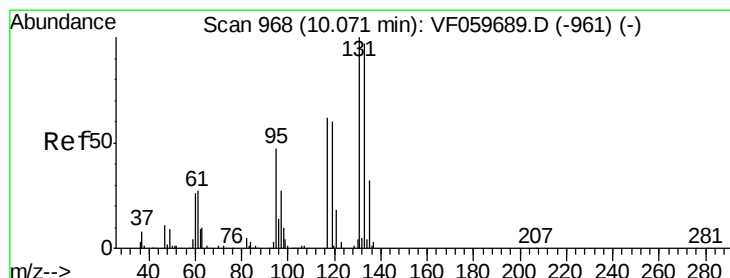
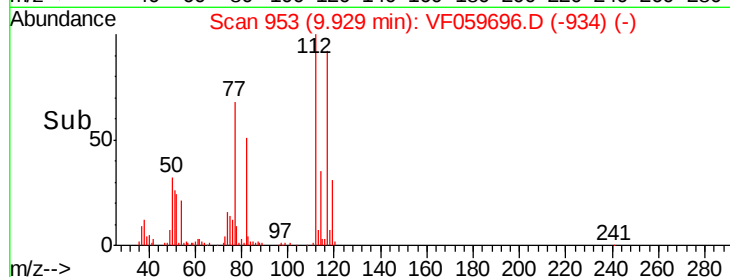
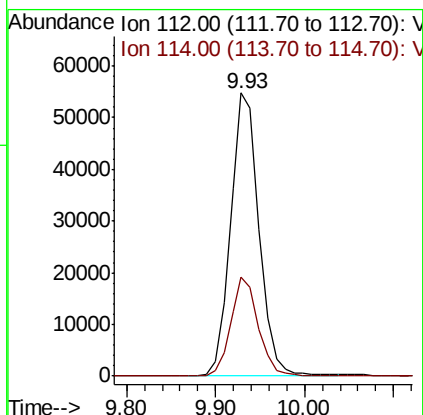
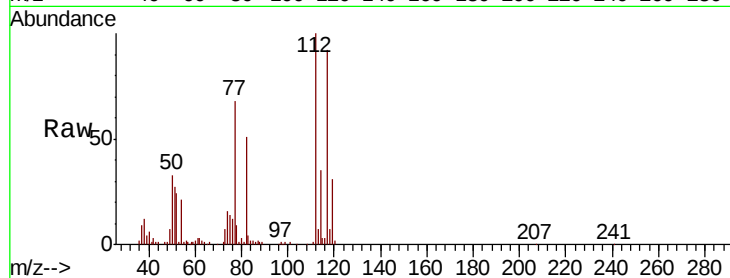




#65
Chlorobenzene
Concen: 22.636 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

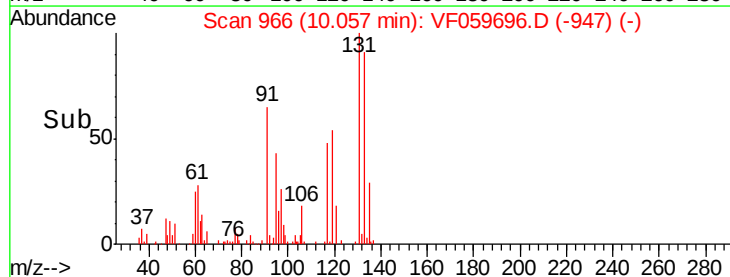
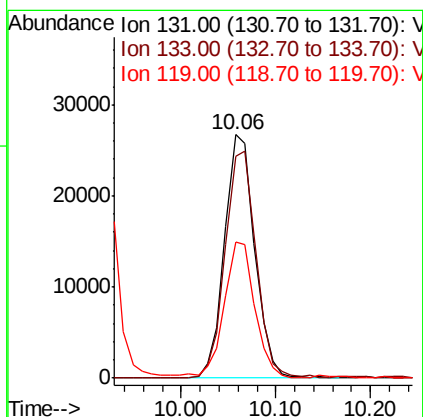
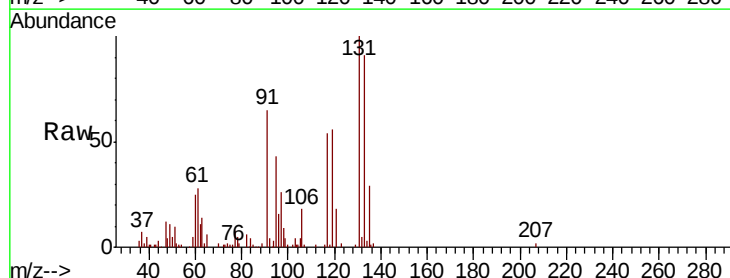
Instrument :
MSVOA_F
ClientSampleId :

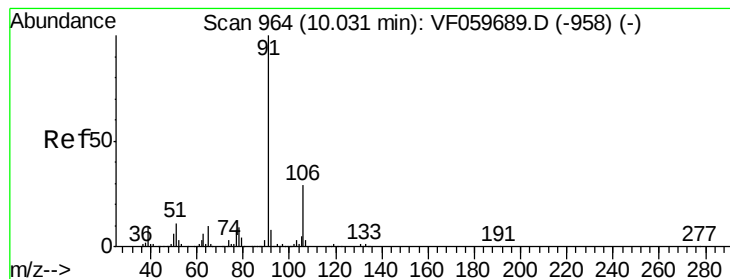
Tot Ion:112 Resp: 122519
Ion Ratio Lower Upper
112 100
114 34.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.801 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:131 Resp: 59292
Ion Ratio Lower Upper
131 100
133 91.0 48.5 145.5
119 56.1 30.3 90.8





#67

Ethyl Benzene

Concen: 22.074 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

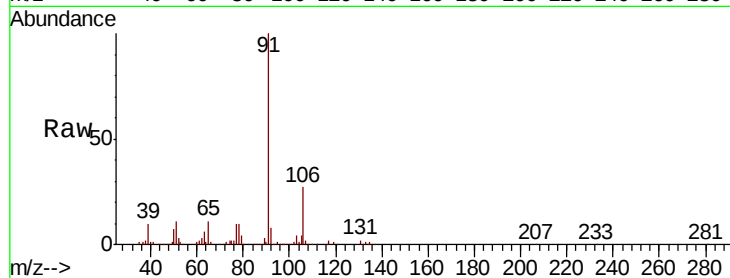
ClientSampleId :

Tot Ion: 91 Resp: 216662

Ion Ratio Lower Upper

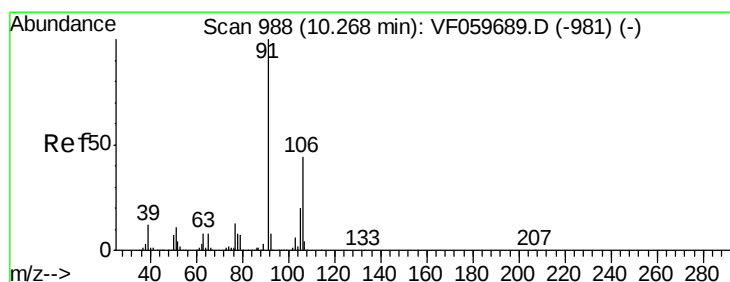
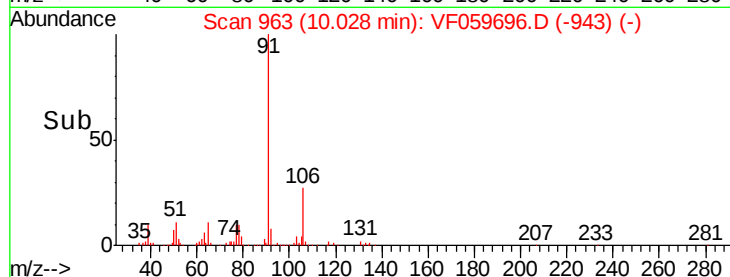
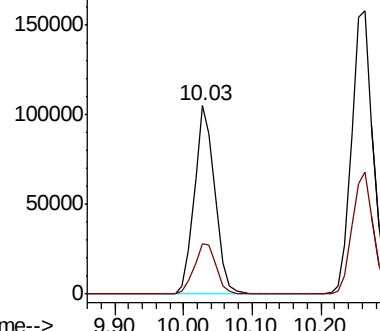
91 100

106 26.8 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.380 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059696.D

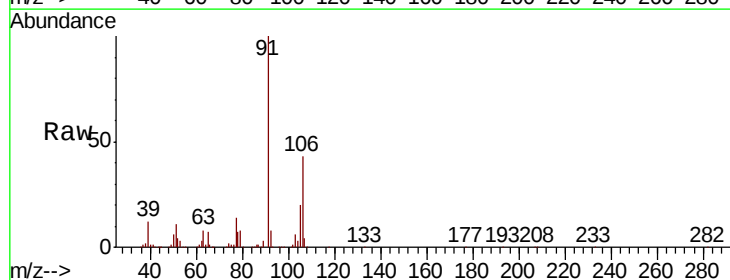
Acq: 30 Jul 2018 19:04

Tgt Ion: 106 Resp: 147351

Ion Ratio Lower Upper

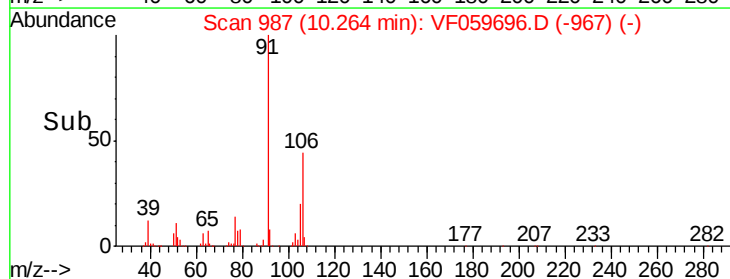
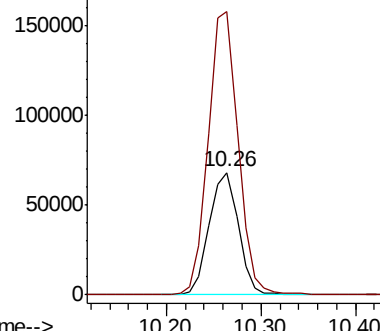
106 100

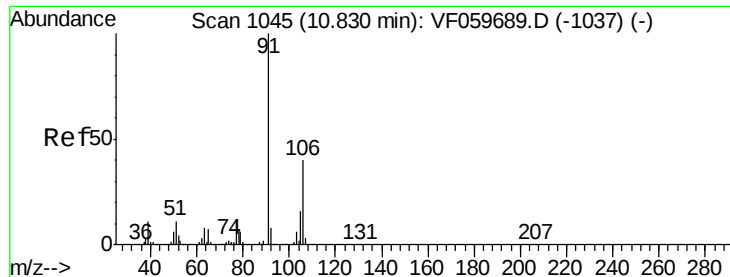
91 231.6 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

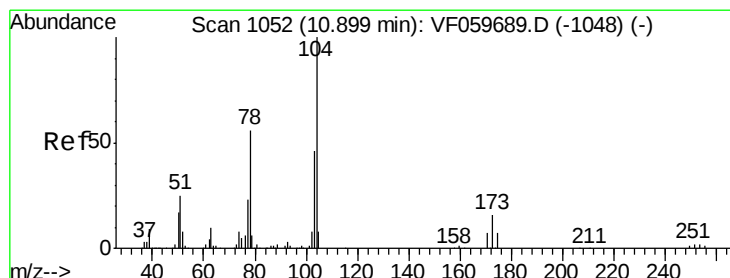
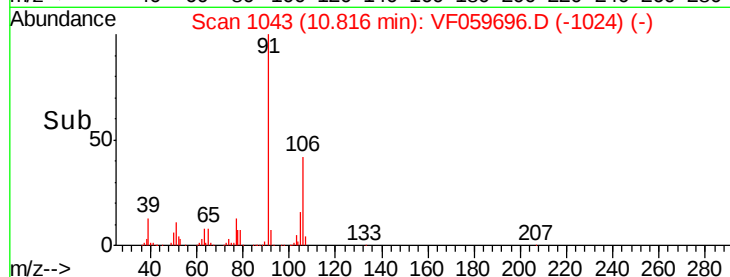
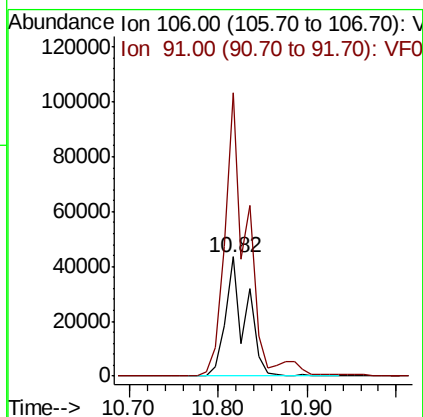
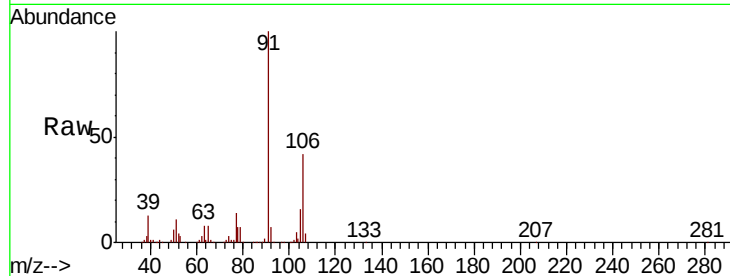




#69
o-Xylene
Concen: 19.505 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

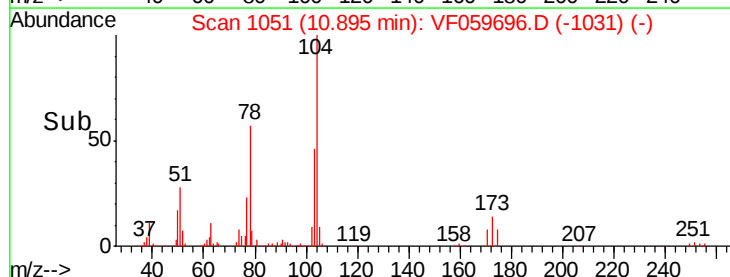
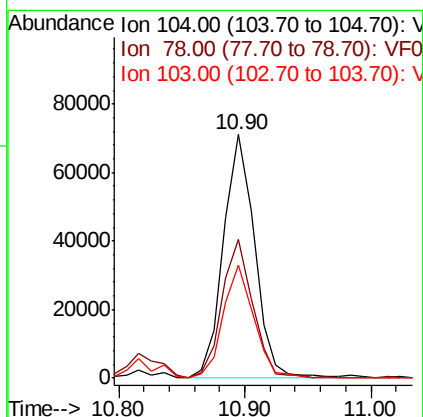
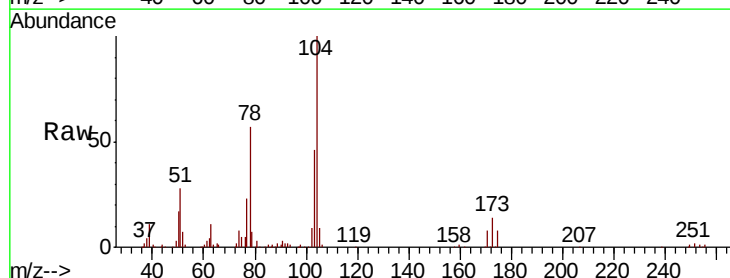
Instrument :
MSVOA_F
ClientSampleId :

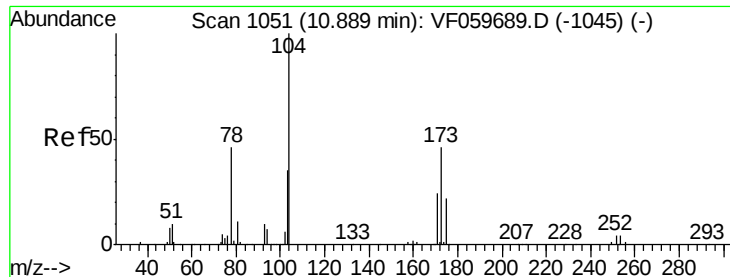
Tot Ion:106 Resp: 71551
Ion Ratio Lower Upper
106 100
91 237.0 124.6 373.7



#70
Styrene
Concen: 22.675 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:104 Resp: 120965
Ion Ratio Lower Upper
104 100
78 56.8 45.3 67.9
103 46.3 36.6 54.8





#71

Bromoform

Concen: 23.347 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

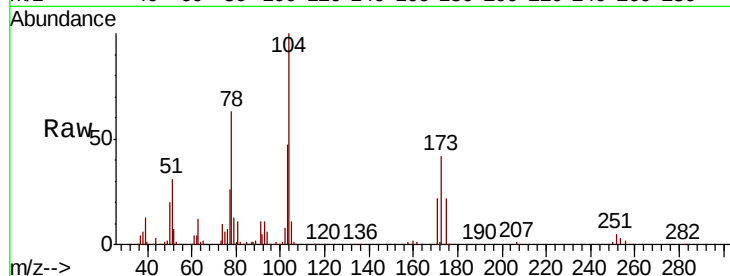
Tot Ion:173 Resp: 35864

Ion Ratio Lower Upper

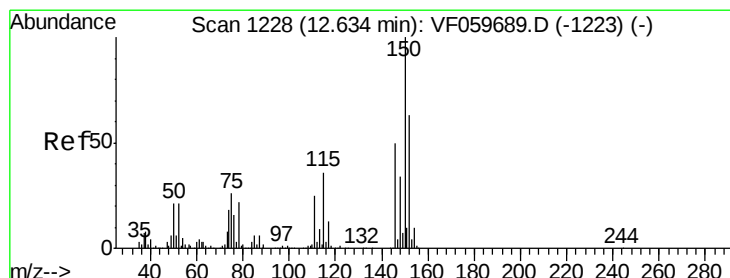
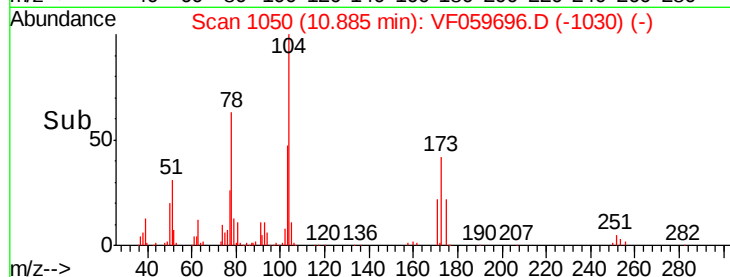
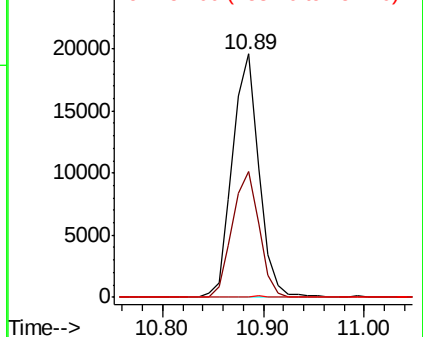
173 100

175 51.5 23.4 70.0

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

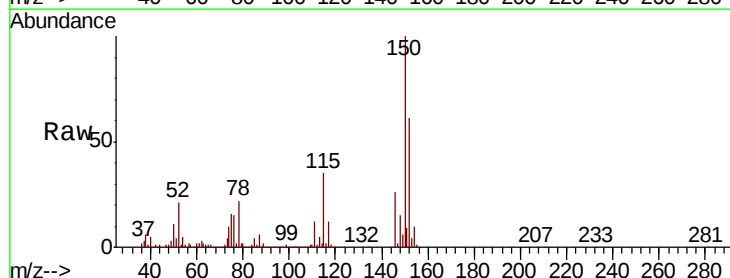
Tgt Ion:152 Resp: 172697

Ion Ratio Lower Upper

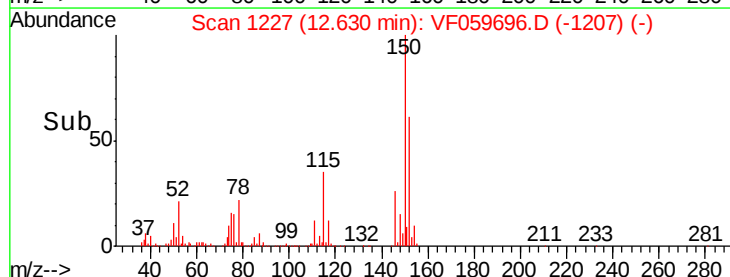
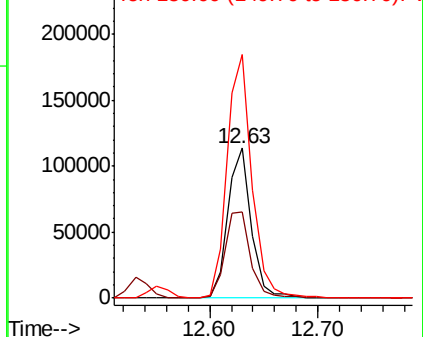
152 100

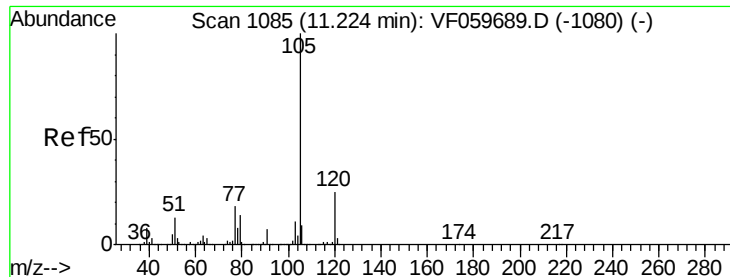
115 57.7 28.2 84.6

150 162.6 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.246 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

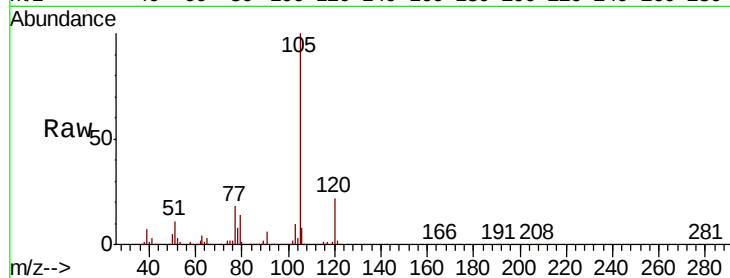
ClientSampleId :

Tot Ion:105 Resp: 262234

Ion Ratio Lower Upper

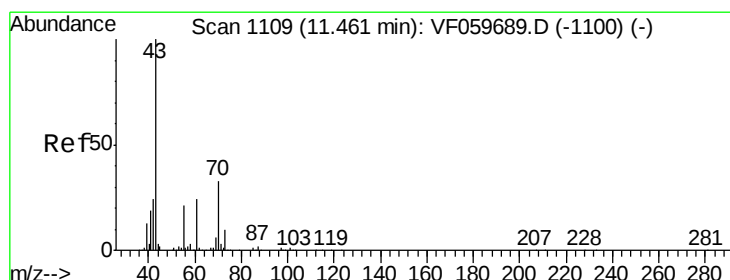
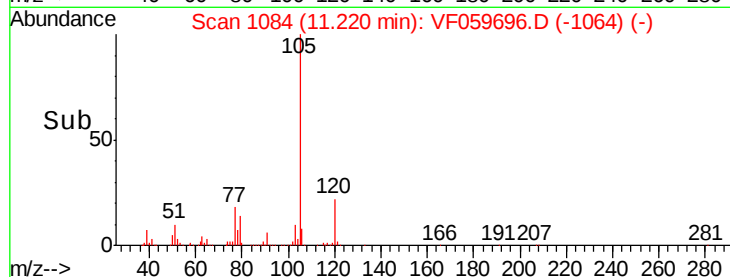
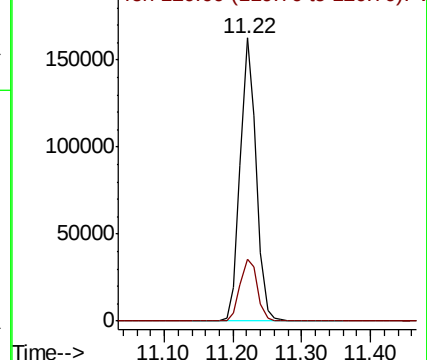
105 100

120 21.9 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.936 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion: 43 Resp: 55411

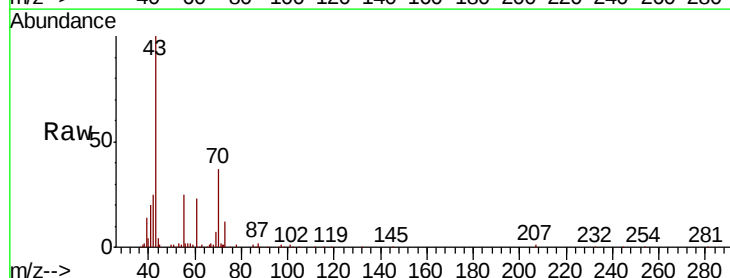
Ion Ratio Lower Upper

43 100

70 37.3 26.3 39.5

55 25.2 16.6 25.0#

61 22.7 19.1 28.7

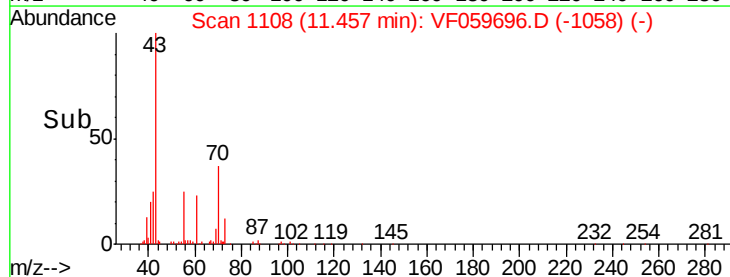
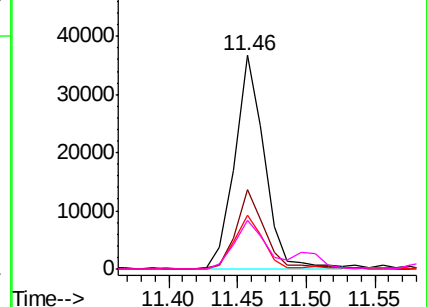


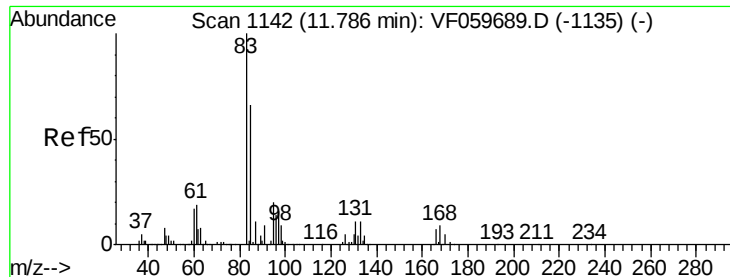
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.040 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

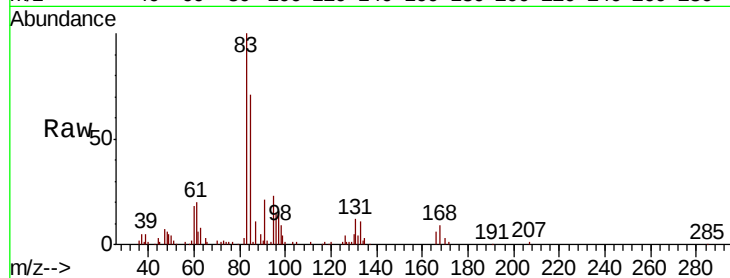
Tot Ion: 83 Resp: 46534

Ion Ratio Lower Upper

83 100

131 12.4 5.8 17.3

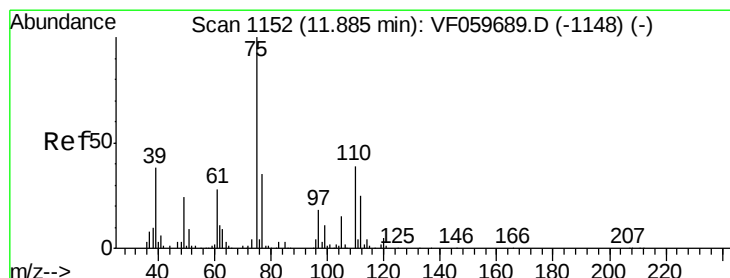
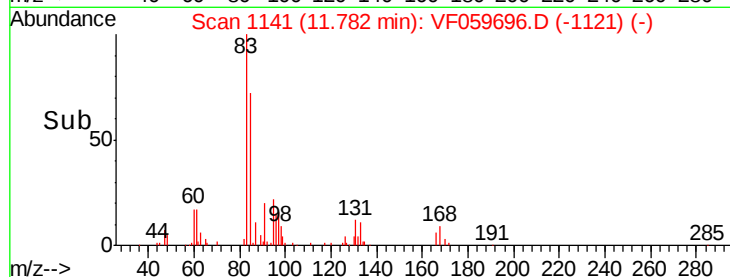
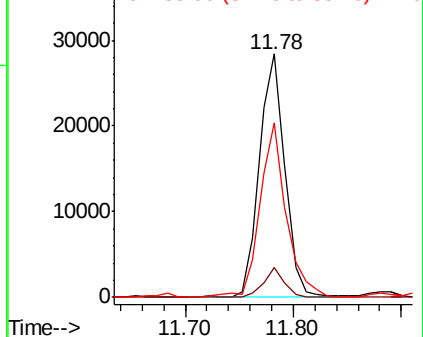
85 71.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 24.854 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059696.D

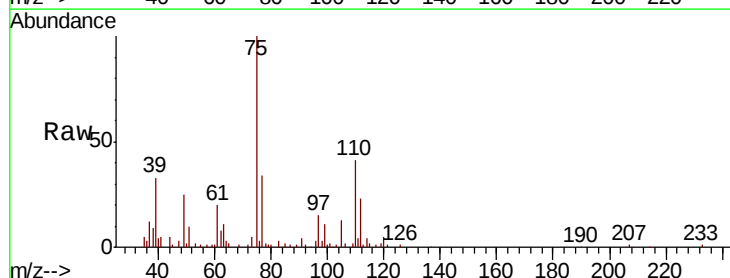
Acq: 30 Jul 2018 19:04

Tgt Ion: 75 Resp: 39513

Ion Ratio Lower Upper

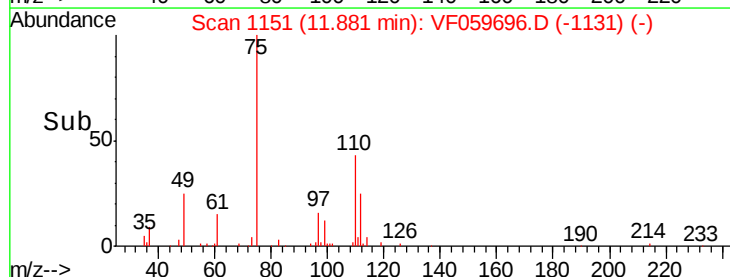
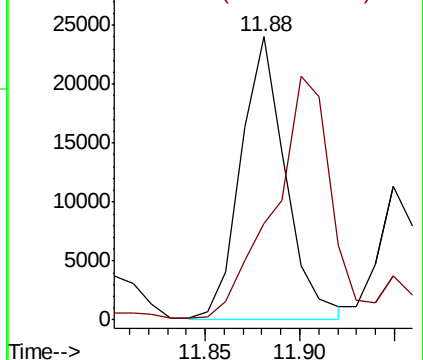
75 100

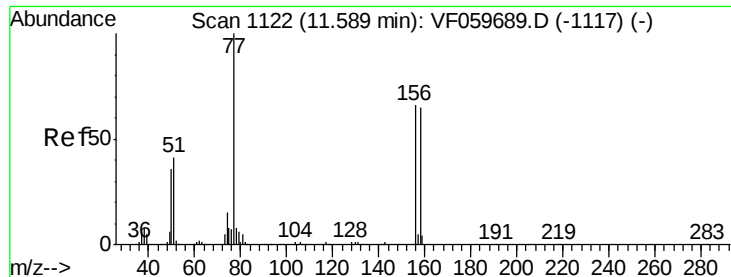
77 34.3 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 24.057 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

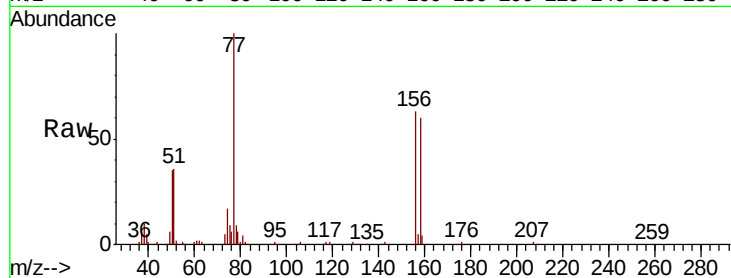
Tot Ion:156 Resp: 68831

Ion Ratio Lower Upper

156 100

77 158.5 75.2 225.6

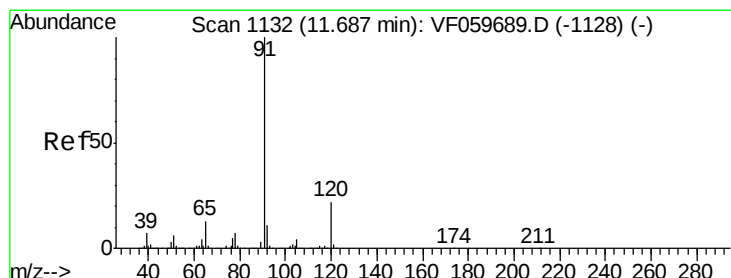
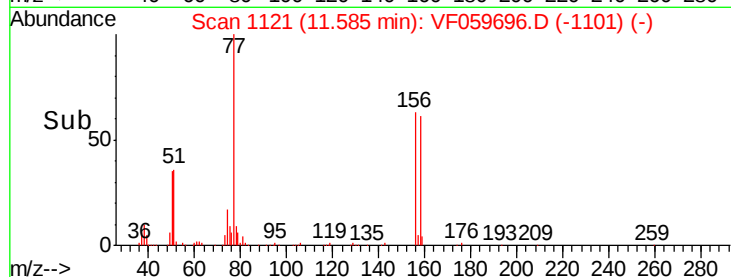
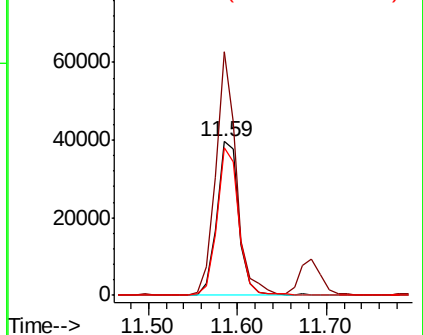
158 95.8 49.1 147.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.876 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059696.D

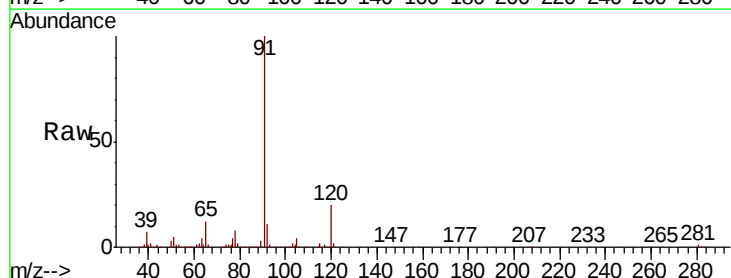
Acq: 30 Jul 2018 19:04

Tgt Ion: 91 Resp: 310676

Ion Ratio Lower Upper

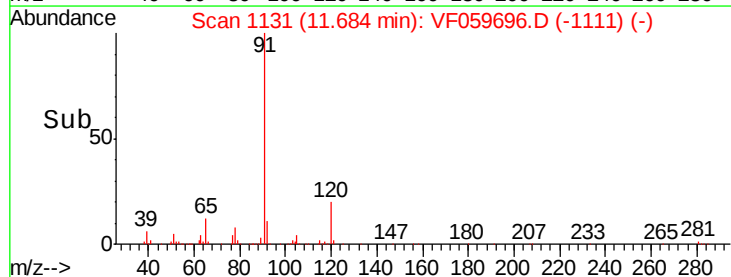
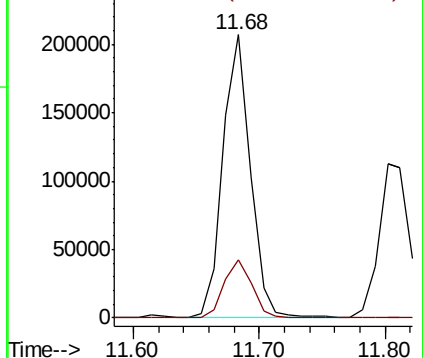
91 100

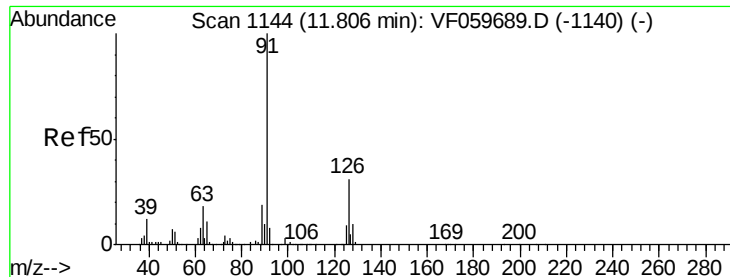
120 20.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

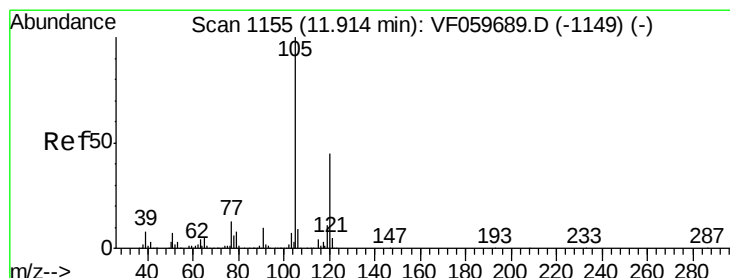
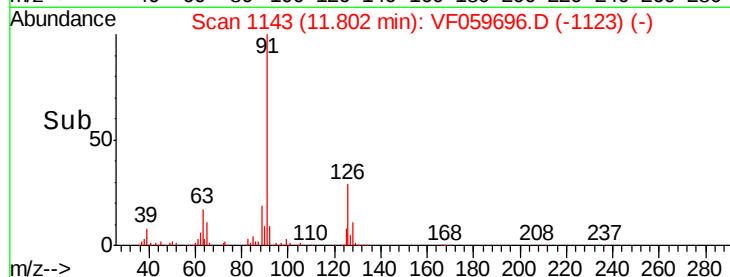
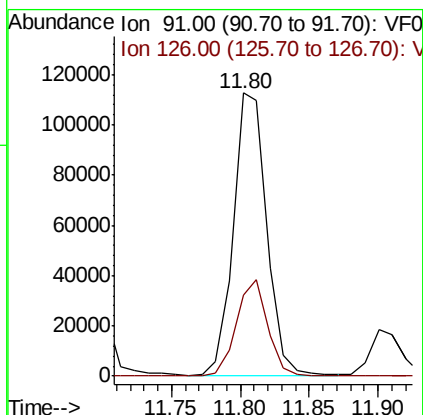
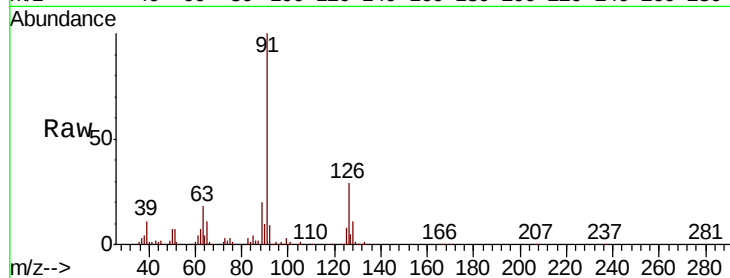




#79
 2-Chlorotoluene
 Concen: 22.778 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

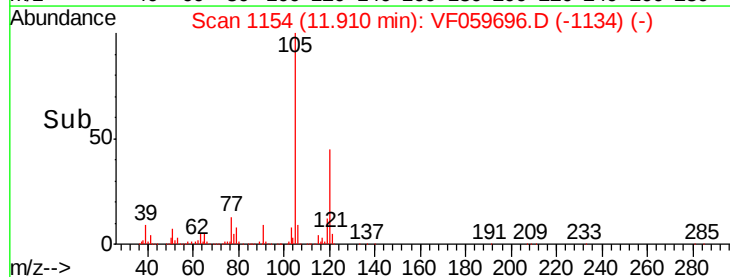
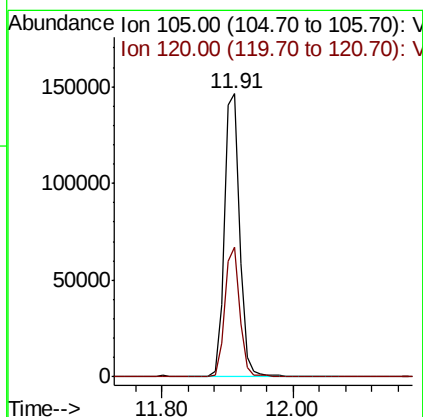
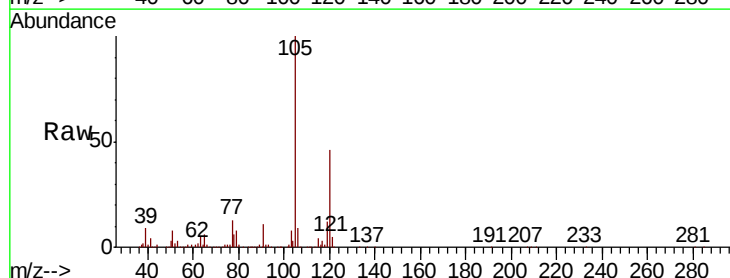
Instrument :
 MSVOA_F
 ClientSampleId :

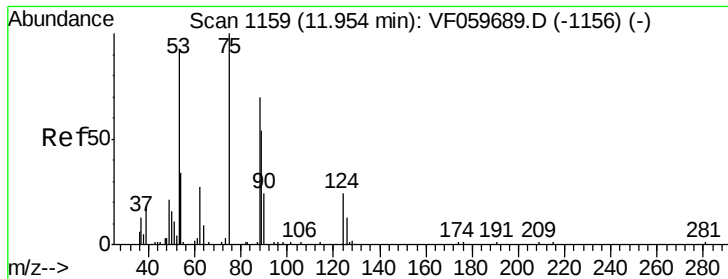
Tot Ion: 91 Resp: 188255
 Ion Ratio Lower Upper
 91 100
 126 28.8 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: 23.175 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion:105 Resp: 239783
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 29.169 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

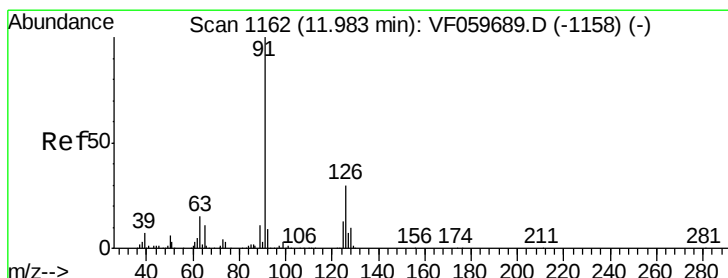
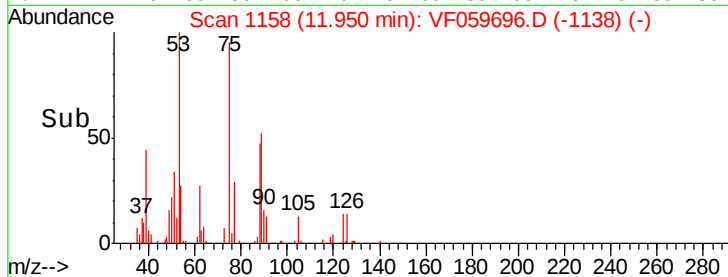
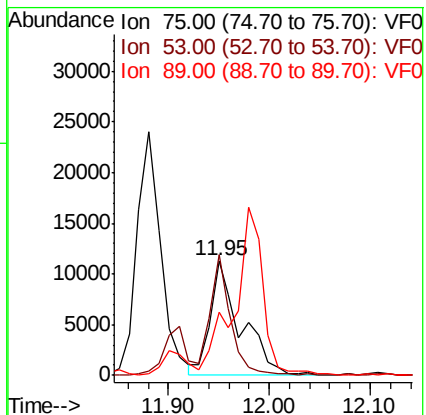
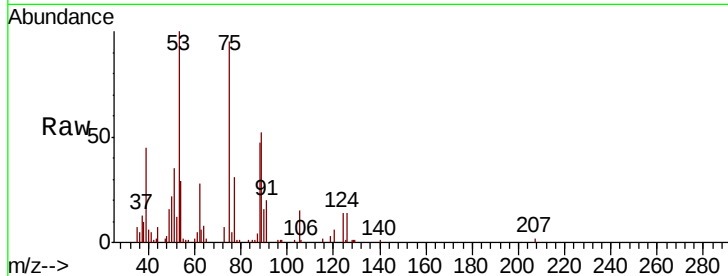
Tot Ion: 75 Resp: 24078

Ion Ratio Lower Upper

75 100

53 105.0 78.3 117.5

89 54.7 45.4 68.2



#82

4-Chlorotoluene

Concen: 23.119 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059696.D

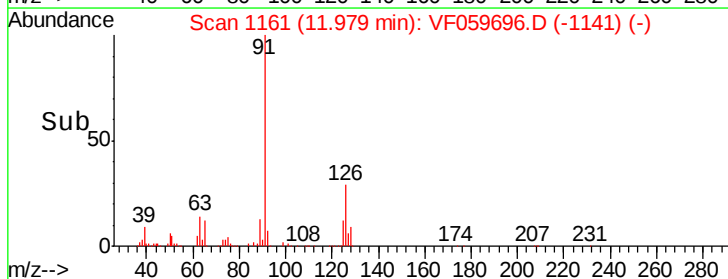
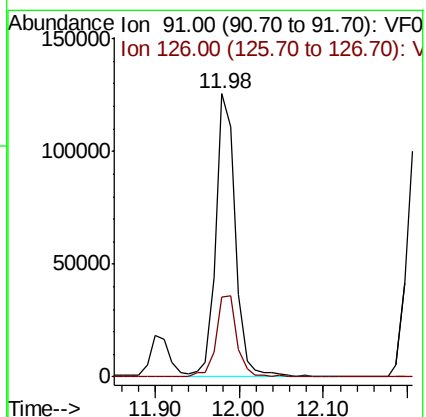
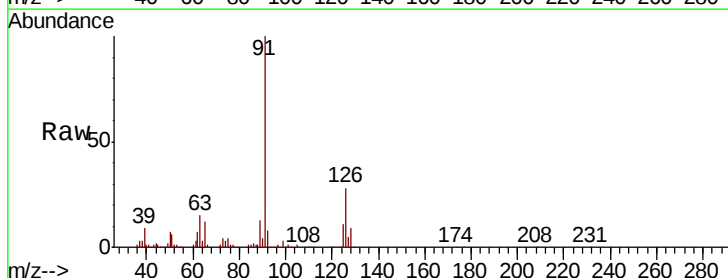
Acq: 30 Jul 2018 19:04

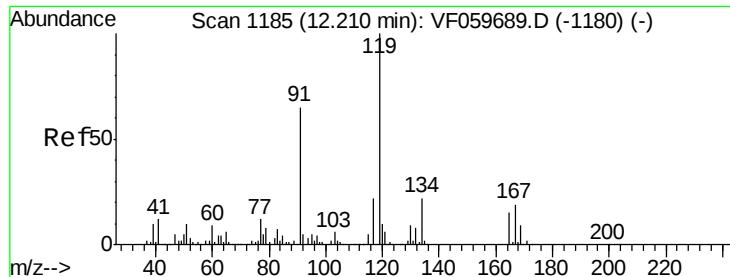
Tgt Ion: 91 Resp: 201331

Ion Ratio Lower Upper

91 100

126 28.4 15.2 45.6





#83

tert-Butylbenzene

Concen: 22.370 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

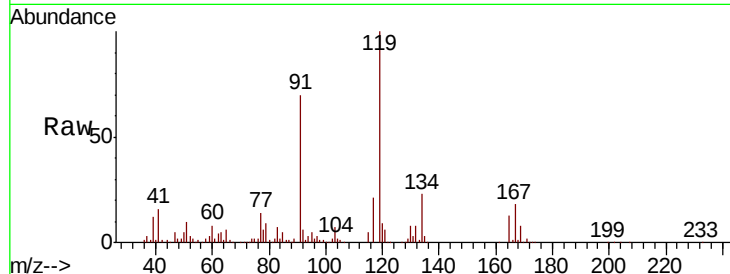
Tot Ion:119 Resp: 233910

Ion Ratio Lower Upper

119 100

91 69.6 32.8 98.4

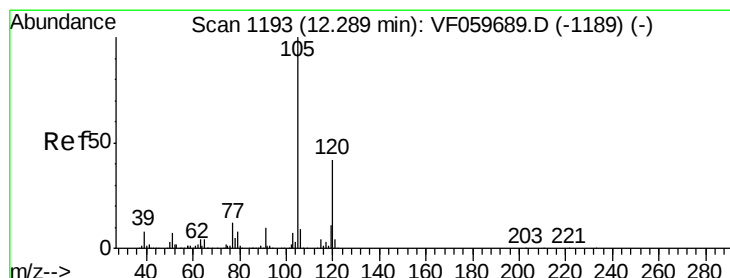
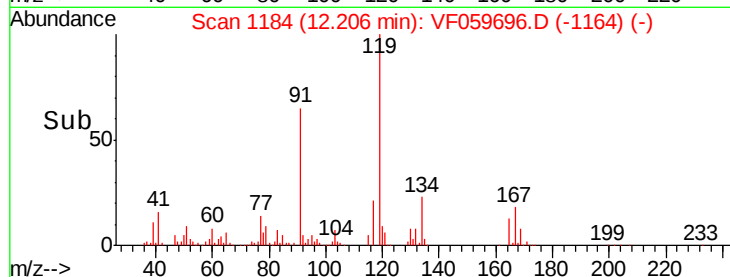
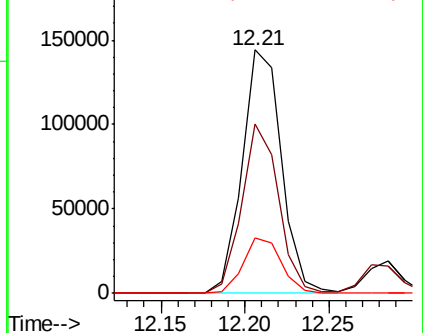
134 22.7 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.240 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059696.D

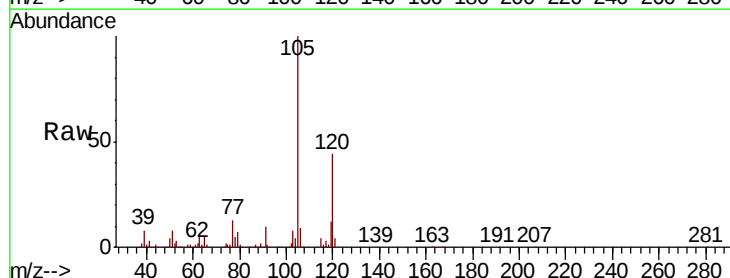
Acq: 30 Jul 2018 19:04

Tgt Ion:105 Resp: 236438

Ion Ratio Lower Upper

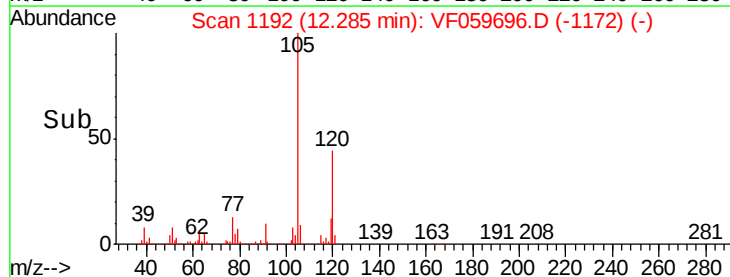
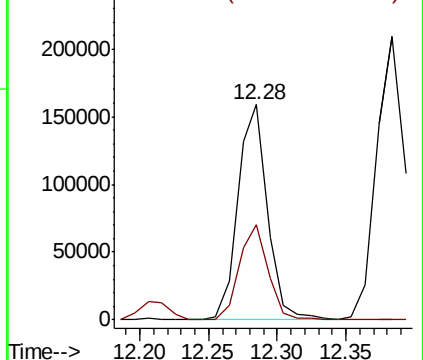
105 100

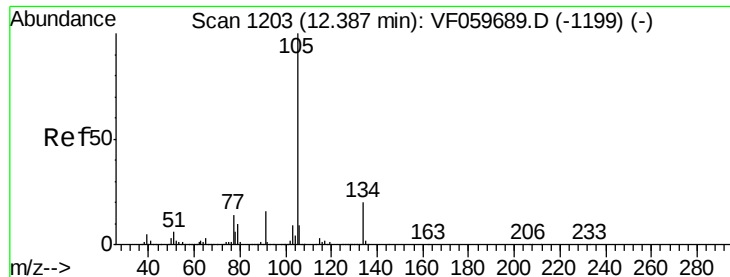
120 44.0 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

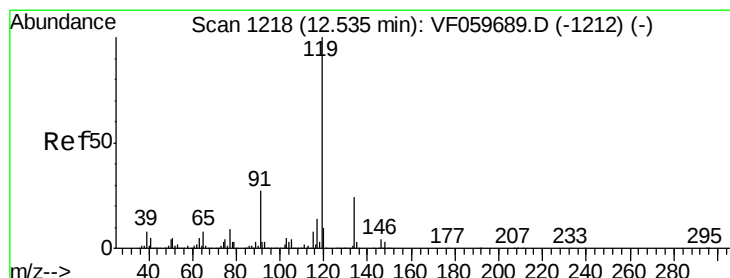
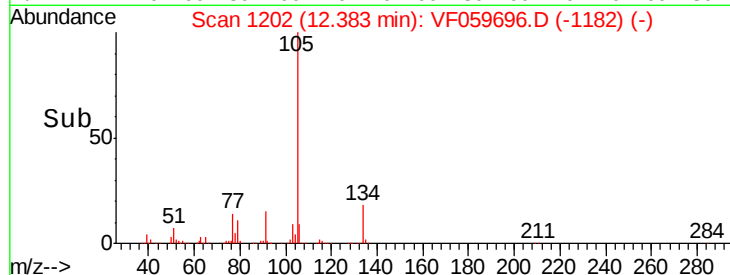
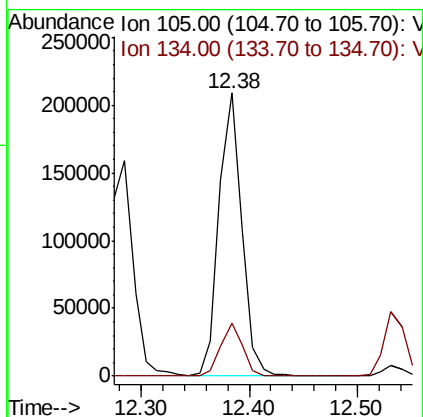
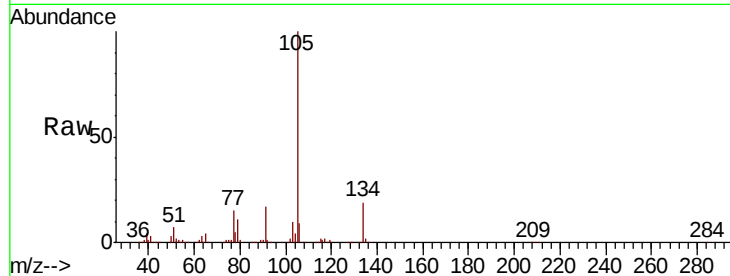




#85
 sec-Butylbenzene
 Concen: 22.269 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

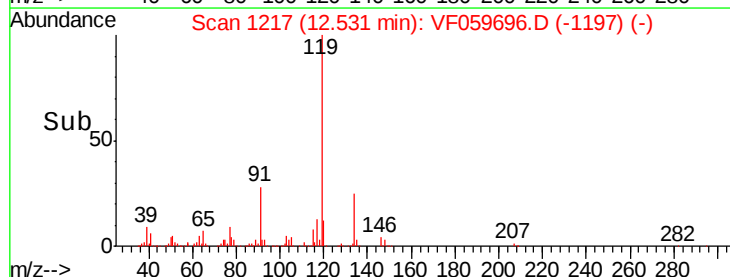
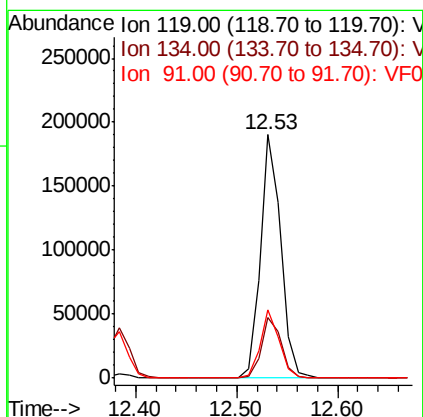
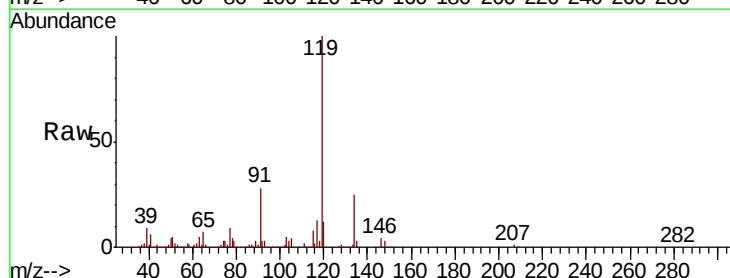
Instrument :
 MSVOA_F
 ClientSampled :

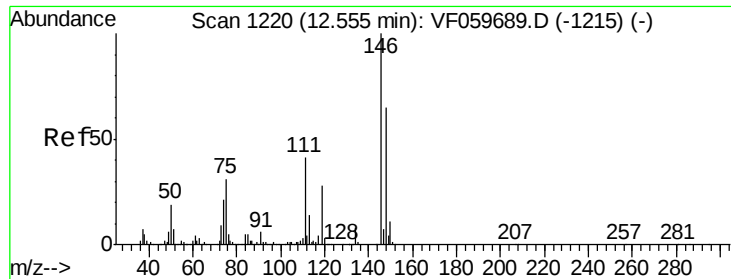
Tot Ion:105 Resp: 306349
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 22.640 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion:119 Resp: 267821
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.2 36.6
 91 28.2 13.4 40.2

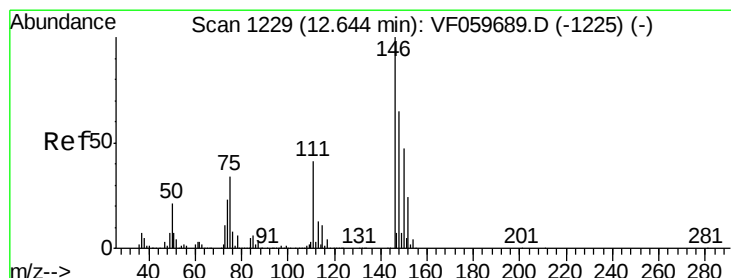
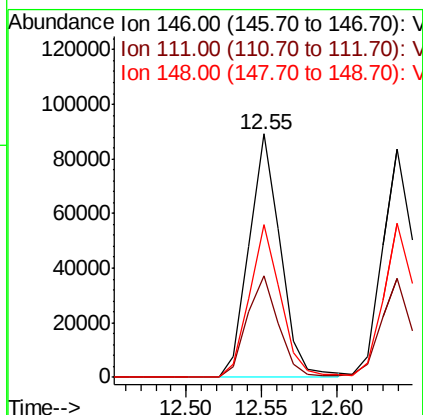
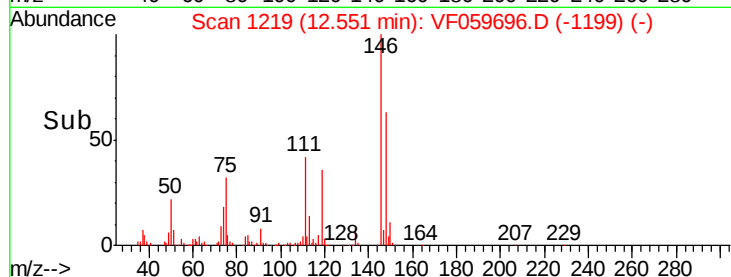
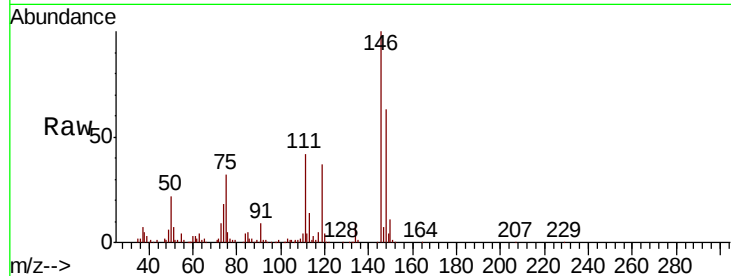




#87
 1,3-Dichlorobenzene
 Concen: 23.244 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

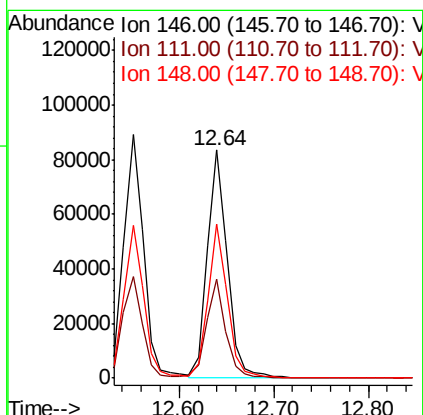
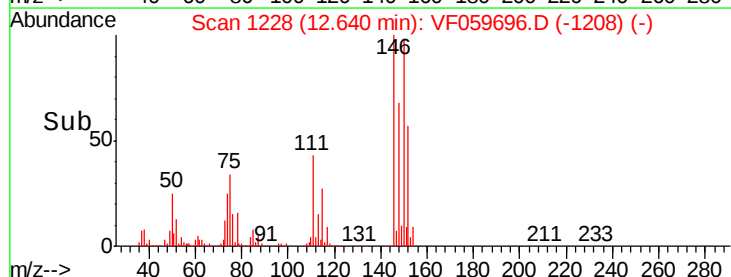
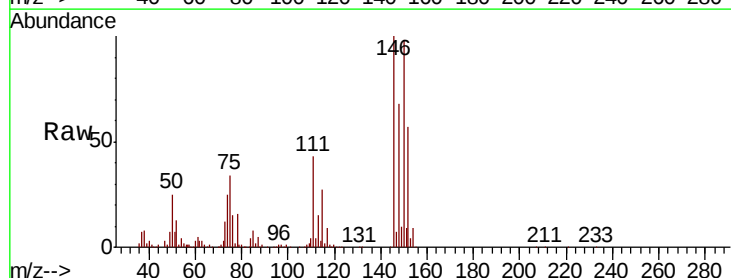
Instrument :
 MSVOA_F
 ClientSampled :

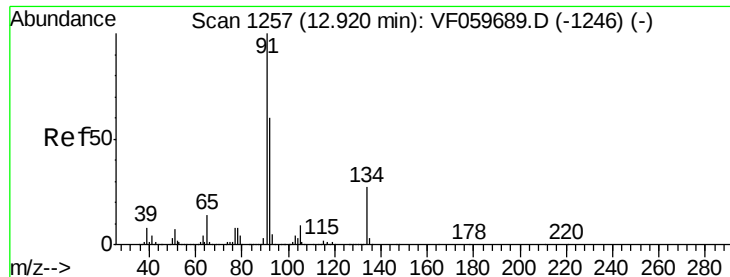
Tot Ion:146 Resp: 129690
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.7 62.1
 148 62.8 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 23.462 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion:146 Resp: 124713
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.8 62.2
 148 67.6 32.3 96.9

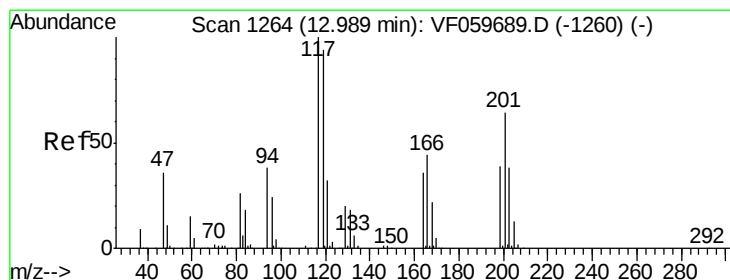
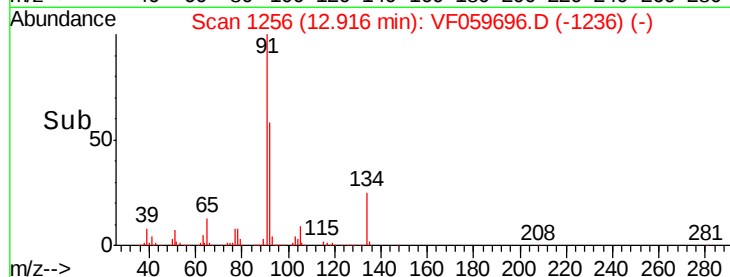
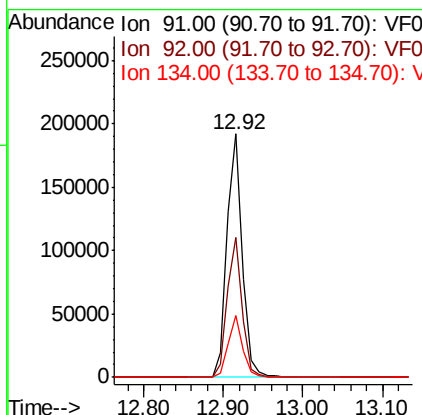
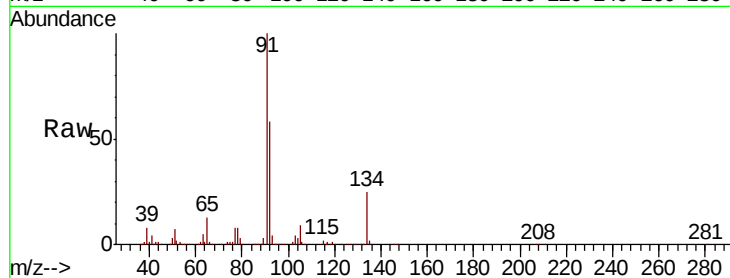




#89
n-Butylbenzene
Concen: 22.811 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

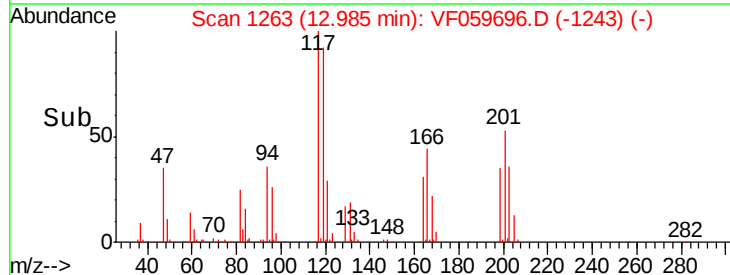
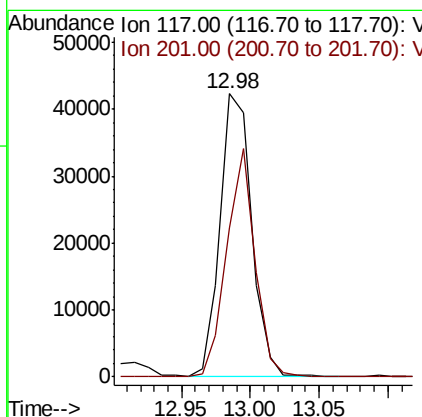
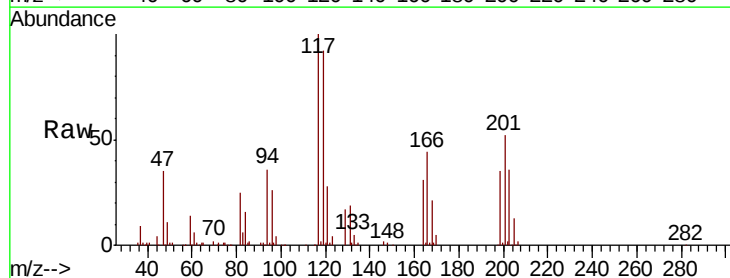
Instrument :
MSVOA_F
ClientSampled :

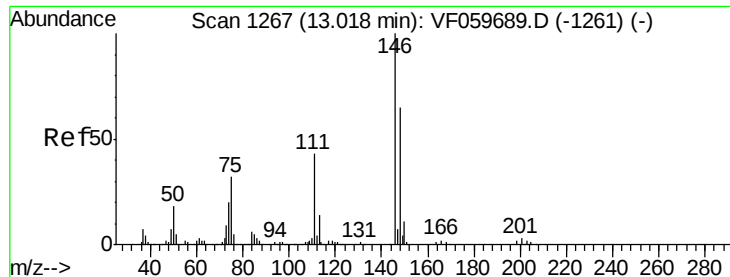
Tot Ion: 91 Resp: 260955
Ion Ratio Lower Upper
91 100
92 57.7 30.1 90.3
134 25.2 13.7 41.0



#90
Hexachloroethane
Concen: 22.384 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 117 Resp: 67404
Ion Ratio Lower Upper
117 100
201 52.4 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 24.146 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059696.D

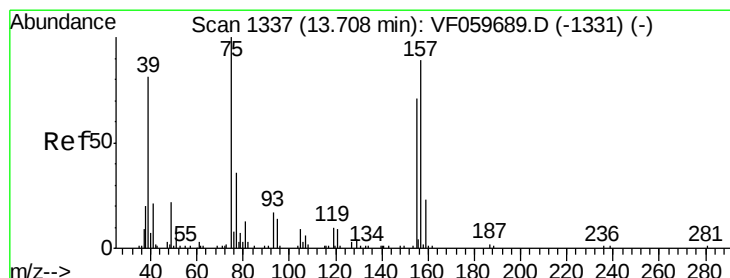
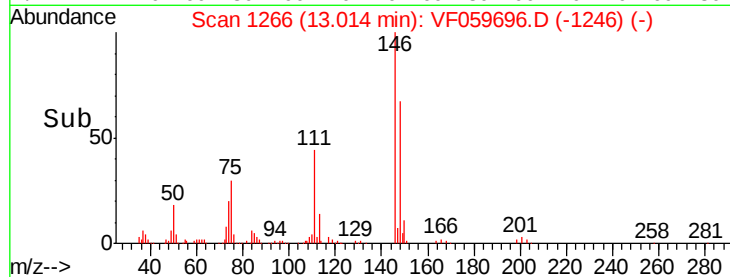
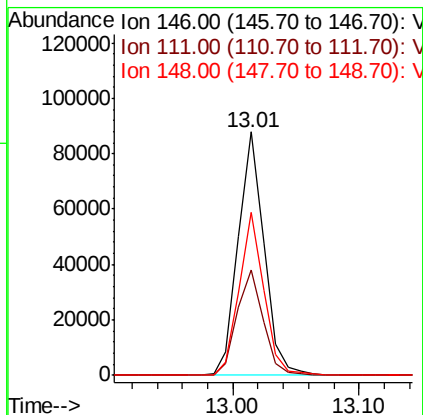
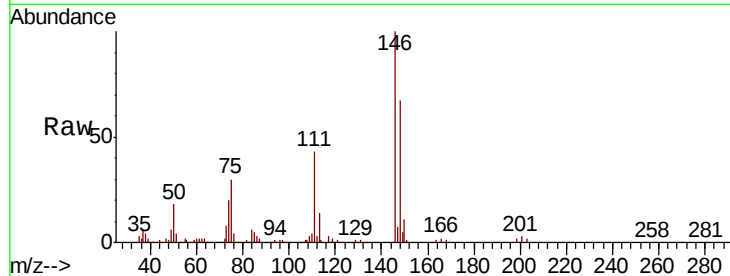
Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	125249
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	66.9	32.3	96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.260 ug/l

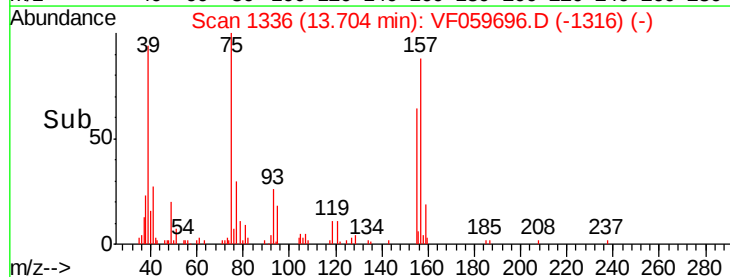
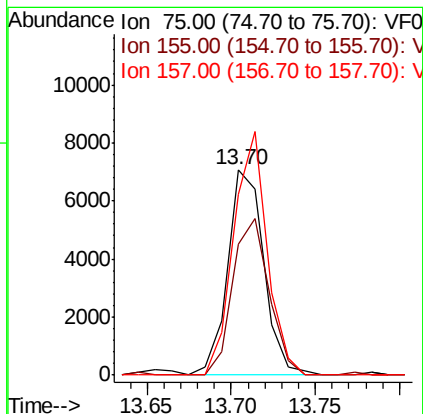
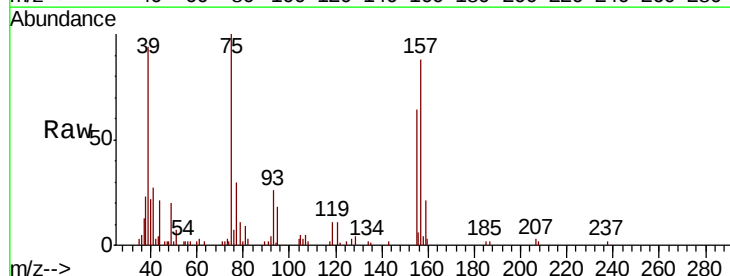
RT: 13.70 min Scan# 1336

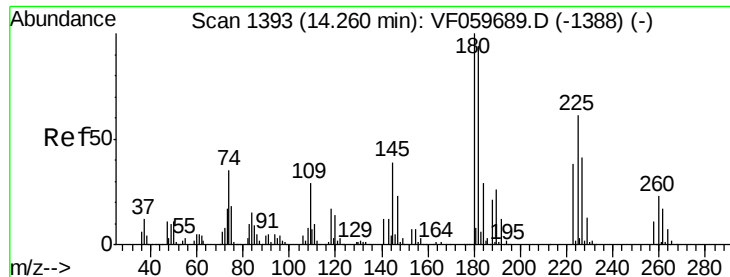
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	75	Resp:	10480
Ion	Ratio	Lower	Upper
75	100		
155	63.6	35.4	106.2
157	87.7	44.4	133.2

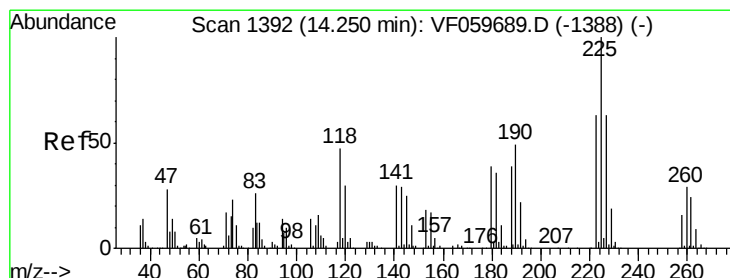
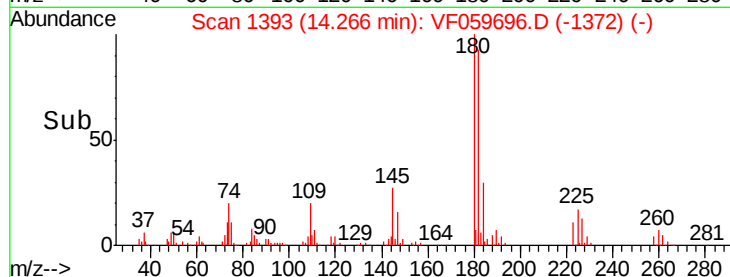
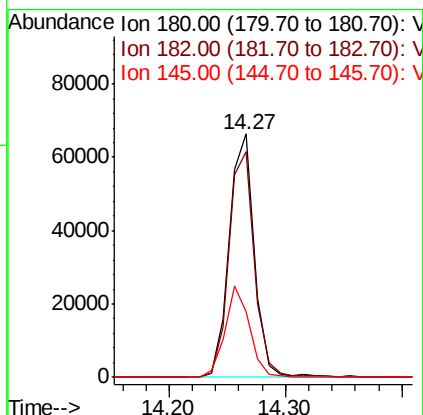
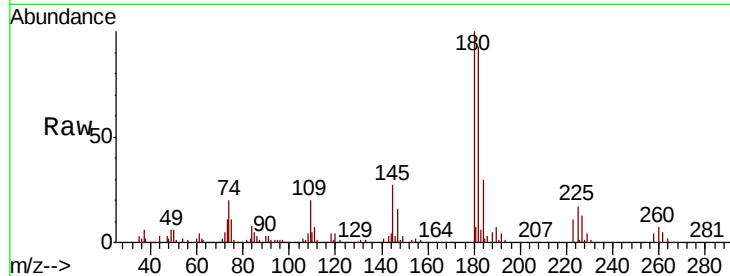




#93
 1,2,4-Trichlorobenzene
 Concen: 23.843 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

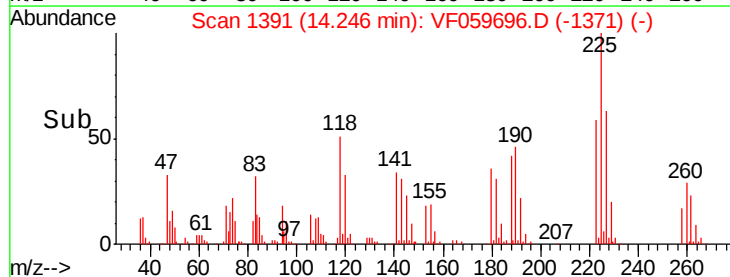
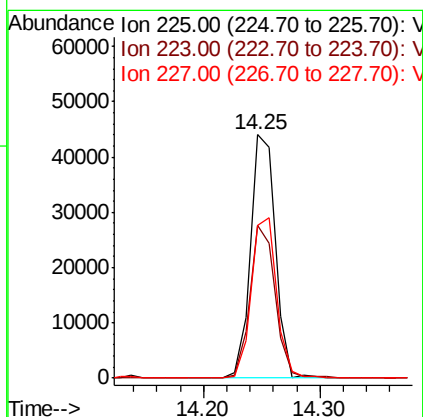
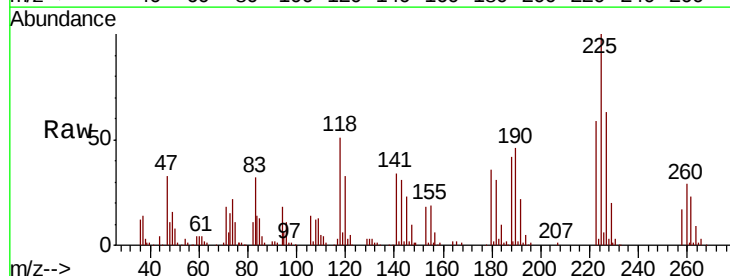
Instrument :
 MSVOA_F
 ClientSampled :

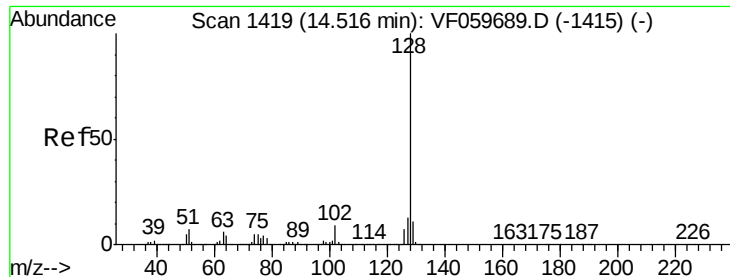
Tot Ion:180 Resp: 99121
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.2 141.6
 145 27.0 19.3 57.9



#94
 Hexachlorobutadiene
 Concen: 21.286 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion:225 Resp: 65101
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.2
 227 63.0 31.5 94.5

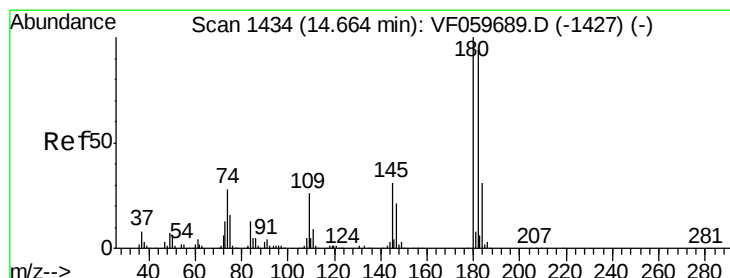
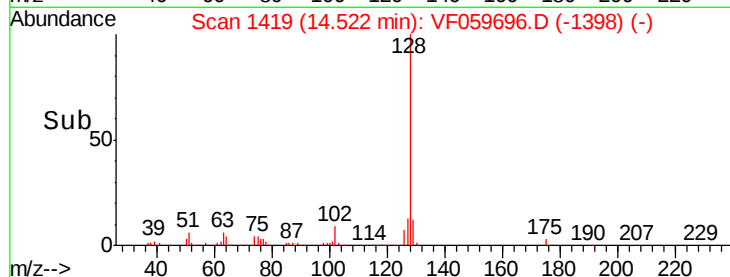
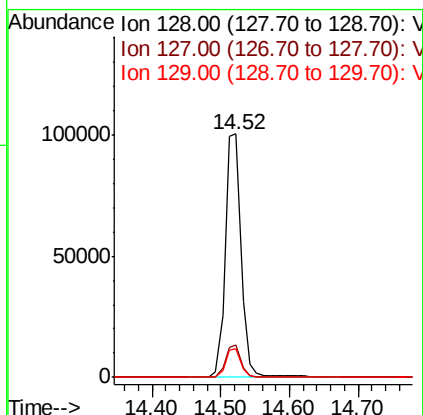
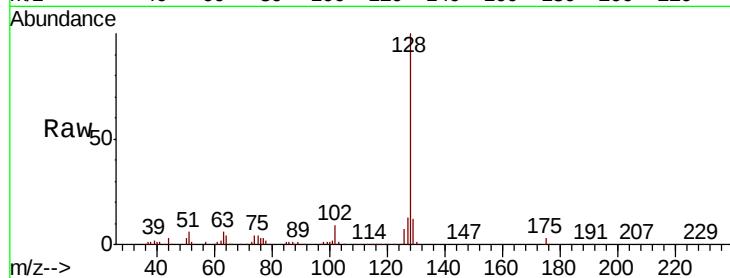




#95
Naphthalene
Concen: 24.211 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 160378
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 24.953 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:180 Resp: 94292
Ion Ratio Lower Upper
180 100
182 93.3 47.2 141.6
145 33.1 15.6 46.7

